

# SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

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Kenneth A. Ebner  
822 Wauona Trail  
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## "What hath God Wrought"

By Rich Dvorak  
NewsRepublic Writer

On May 17 one hundred fifty years ago, inventor and painter Samuel F. B. Morse sent the first official telegraph message, "What hath God wrought," from the Supreme Court chambers in Washington, D.C. to the Baltimore/Ohio railroad station in Baltimore, Maryland.

The message, which was selected from the Bible (Num. 23:23) by Annie Ellsworth (daughter of the Commissioner of Patents), was so prophetic that perhaps not even Morse himself could have imagined the array of technological breakthroughs that have resulted from his invention.

Indeed, modern-day FAX machines, telephones, computers, and electrical engines are all derived from the telegraph.

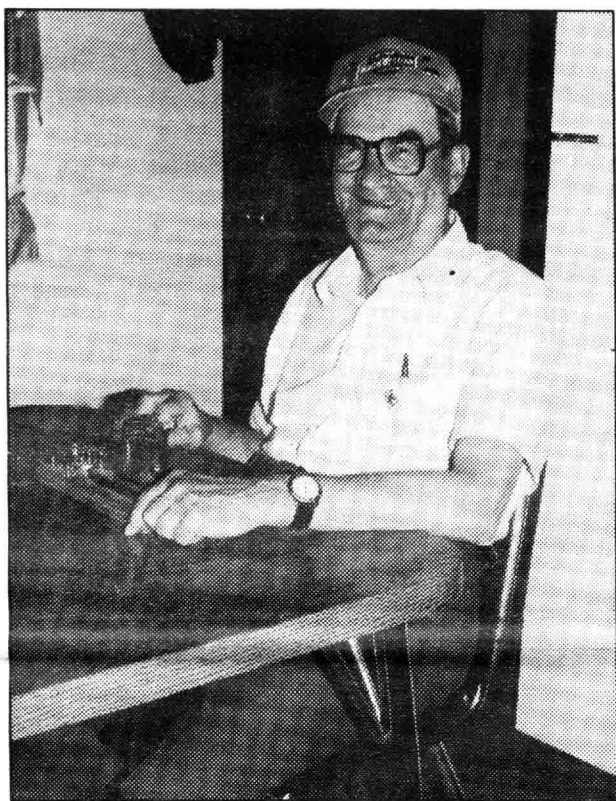
That's why Bob King, (originally W9QQQ, and now KA9GNY), a Baraboo resident who toiled 27 years as a telegraph operator, continues to stress the importance of the invention.

"We aren't well-acquainted with it because it is not a household item, like a telephone, which wouldn't have been invented if it weren't for Morse," he says.

It is the telegraph's use of relays that made it the first practical use of electricity, he says.

The first telegraph used a sending device, called a key, that completed a circuit and allowed current to flow to a receiving sounder. In the sounder, the current caused an electromagnet to attract an iron bar, call an armature, which struck the electromagnet, making a clicking noise in dot-dash Morse code. With each click, a pointed instrument attached to the armature also marked the code on a strip of paper, creating a record of the transmission.

The telegraph was successful due to its low cost and simple operation. It was used some by busi-



Robert L. King, KA9GNY

nesses and newspapers, but it was most widely used as a partner to the railroads, King said. King said the Western Union Telegraph Company was one of the first telegraph companies to gain benefits from contracts with railroads who, as part of their contracts, agreed to lay telegraph lines along railroad-owned property.

Aside from a period of competition with the north-south running American Telegraph Company, which was put out of business in the aftermath of the Civil War, Western Union enjoyed a monopoly of the telegraph market.

As improvements in technology came, King said, its use boomed and was vital to journalists, the military, government, and

the legal system.

But, by the 1920s, he added, telegraphy use declined as the telephone and radio became more widely accepted modes of communication.

King, who was born on the 75th anniversary of the first telegraph message, began working with telegraphy in 1940, when he took a job as a telegraph operator in the Western Union office in the Baraboo National Bank.

It took him about a year to memorize Morse code, King said, and he worked there until 1944 before being hired by the Chicago Northwestern Railway. He worked in several of the railway's area offices, where he was a ticket agent and telegraph operator until he retired in 1979. The railway stopped using the telegraph in 1967.

But King hasn't. He is involved in the Morse Telegraph Club, whose American, Canadian, English and Dutch members send each other messages by telegraph. It was started in 1948, and King

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## League Urges Action on Call Sign Program

The American Radio Relay League (ARRL) has filed reply comments in the FCC's proposal to institute a "vanity" call sign program (in PR Docket 93-305). The League said that the vast majority of the 109 comments filed on the proposal favored it, in general, with the major concerns being how to fairly administer it.

There were fewer than five comments opposing the proposal and, whole they made what the League called "thoughtful and important points," they did not seem to represent more than a small minority opinion.

One commenter was concerned about the cost of the program to taxpayers, the reissuing of call signs of deceased amateurs, and the diluting of the practice of issuing call signs more or less chronologically, which thus makes a person's call sign an indication of how long she or he has been licensed.

The ARRL, in its reply comments, said that the issue of cost already had been settled, in that amateurs themselves would pay for the privilege of selecting a call sign.

Regarding Silent Key call signs, the League said that by giving family members and clubs the first opportunity to apply for such call signs, "well known and respected" amateurs' call signs could be preserved.

Finally, the League said that a program allowing amateurs to select a call sign would enhance the fraternalism of the service and promote a sense of accomplishment (regardless of how long a person had been licensed).

One of the commenters on the proposal was Frederick O. Maia, W5YI, who proposed that the Commission establish a "Vanity Call Sign Administration" program in the private sector. Maia suggested that administrators could be appointed by the

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### ELMER

By Rich Regent, K9GDF





# WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

## Swapfests and Other Social Events

**SATURDAY, JULY 9, 1994.** South Milwaukee ARC Swapfest. American Legion Post 434, Oak Creek, WI. Exit I-94 on Ryan Rd. East to Shepard Ave., go North to Swapfest. Talk-in on 146.52 Mhz. For more information, contact PO Box 102, South Milwaukee, WI 53172. (See also ad last issue with details and map)

**SATURDAY, JULY 23, 1994.** Eau Claire Hamfest and Computer Expo 94. The very popular Eau Claire Hamfest will be held again at the Chippewa County Fairgrounds on July 23 from 7:30 AM to 2:00 PM. Tailgating, Tables, Testing, (Friday and Saturday, all classes), Tickets \$4.00. Contact: Carol Ceraso 2432 Shafer Road Chippewa Falls, WI 54729 715-723-9205

**SUNDAY, JULY 24, 1994.** Dupage ARC Hamfest. AT the Hawthorne Race Course, 3500 South Cicero Ave., Stickney, IL. Contact DARC, Hamfest 94, 7511 Walnut Ave., Woodridge, IL 60517.

**SUNDAY, JULY 31, 1994** The 2nd annual Racine Hamfest. 8am-2pm. Same great location: South Hills Country Club on East Frontage Rd. alongside I-94. EZ access the site is located between Hwys 20 and K in Racine County. for more information contact Dave, WB9USI at (414) 554-7565 or write to the RMC, P.O. BOX 3, Racine, WI. 53401

**SUNDAY, AUGUST 7, 1994** The Marshfield Area Amateur Radio Society will be holding their 3rd annual picnic. Gather around 11:00 a.m. Potluck & Swapfest. Held in Wildwood Park, Marshfield WI. Talk in on 147.180 MHz. All welcome. Contact: Guy Boucher, KB9GPJ, 107 West Third ST., Marshfield, WI 54494. (715) 384-4323. Or via packet: KB9GPJ@W9IHW.WI.USA.NA

**SUNDAY, AUGUST 14, 1994.** Summerfest '94 at 500 "J" Street S.W., Cedar Rapids, IA 52404. Contact: Wayne Harray, KEOMS (319) 848 7481.

**SATURDAY, AUGUST 27, 1994.** Northwoods Amateur Radio Swapfest, at Sugar Camp Town Hall, 12 miles north of Rhinelander, WI on Highway 17. Contact: Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296.

**SATURDAY, AUGUST 27, 1994.** Hobby electronics swapmeet, sponsored by the Riverland ARC and the Western Wisconsin Antique RC. Held at the American Legion Activity Building, 731 Sand Lake Road, Onalaska, WI. Admission: \$2.00, Tables, \$3.00 (picnic type, first come basis). Contact: Clarence Crum, N9NXW, 106 N. First, Arcadia, WI 54612. (608) 323-3644.

**SUNDAY, AUGUST 28, 1994.** Woodstock, IL, Mc Henry county fairgrounds, Route 47 just north of route 14. Contact TCRG, PO box 3107, Skokie, IL 607-7106.

**SUNDAY, SEPTEMBER 11, 1994.** RADIOFEST Hamfest & Computer Expo, at the Tri-State Blind Society, 3333 Asbury Rd., Dubuque, IA. Contact: Gerald lange, 2191 Graham Circle, Dubuque, IA 52002 (319) 556-3050 or Loren Heber, NOYHZ, 9479 Lauderville Rd., Dubuque, IA 52003. (319) 556-5755.

**SEPTEMBER 17-18, 1994.** SUPERFEST, Peoria, IL. Contact: Peoria Area ARC., PO Box 3508, Peoria, IL 61612-3508. (309) 685-6698.

**SEPTEMBER 24-25, 1994.** RADIO EXPO. Lake County Illinois Fairgrounds, RTs. 45 & 120, Grays lake, IL. Contact: Chicago FM Club, PO Box 1532, Evanston, IL 60204.

**SUNDAY, OCTOBER 23, 1994.** KMRA Swapfest, Waukesha, WI.

**SATURDAY, NOVEMBER 5, 1994.** The Milwaukee Repeater Club is proud to sponsor the 10th annual "6.91" Friendly Fest" from 8:00 a.m. to noon. (sellers admitted at 7:00 a.m.) NEW LOCATION: Waukesha County Expo Center Arena. VE testing. Contact Milwaukee Repeater Club, Inc.,

PO box 2123, Milwaukee, WI 53201.

**NOVEMBER 19-20.** Fort Wayne Hamfest, Allen County War Memorial Coliseum Exposition Center. Contact: ACARTS, PO Box 10342, Fort Wayne, IN 46851.

**SUNDAY, JANUARY 8, 1995.** Midwinter Swapfest sponsored by the West Allis RAC. Contact WARAC, PO Box 1072, Milwaukee, WI 53201.

**TUESDAY, FEBRUARY 28, 1995.** Northern Wisconsin Radio Club Auction. Contact: Steve Hart, K9OMC, Route 1, Box 54, Knapp, WI 54749.

**SUNDAY, APRIL 2, 1995.** Madison Swapfest. Contact: MARA, PO Box 8890, Madison, WI 53708-8890.

**SATURDAY, MAY 13, 1995.** Lakeshore Hamfest. Contact: ManCoRad. PO Box 204, Manitowoc, WI 54221-0204.

See also the back page and flyer ads for additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

## Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the March 1994 meetings column for the latest complete listing. The following are additions or changes since that listing.

### THE WINNEBAGO AMATEUR RADIO CLUB

(Formerly the Oshkosh Amateur Radio Club)

The Winnebago ARC welcomes all Amateurs and interested persons to join us at the Omro City Hall, on Webster Street. Meetings held the third Sunday each month, weather permitting. Talk in on 147.24 repeater.

For further information contact KB9IME, Dan Lenz, at (414) 233-7145.

### MILWAUKEE RADIO AMATEURS CLUB

Last Thursday evening, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. Meetings begin at 7:30 pm 12 months of the year.

### YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)

Days rotate: Scheduled meeting dates:

The following is the YTARC meeting schedule for 1994.

Jul. 19	VHF contesting.
Aug. 17	Fox Hunt
Sep. 15	ELECTIONS
Oct. 18	ATV (amateur television).
Nov. 16	Packet radio and computers.
Dec. 15	CHRISTMAS PARTY

All meetings will be at the Baraboo Civic Center, room 14, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

QCWA WISCONSIN BADGER CHAPTER 174  
Annual summer picnic on Saturday, July 16,

## Badger State Smoke Signals

### Amateur Radio Education and Information

**CHAIRMAN:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

**EDITOR:** Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

**TREASURER:** Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

**CONTRIBUTING AUTHOR:** Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

### Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the

material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

### Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

1994, at Lake du Bay county park in Portage County. Chapter 174 will provide beer and soda. You must provide a dish to pass if you can and also please bring the type of meat etc. for grilling. Plenty of parking with signs provided at the intersection of state highway 34 and county highway E as well as at highway 10 and county E.

Camping is also available, but you must call in advance. The Portage County Parks number is (715) 346-1433, AT 1516 CHURCH ST., Stevens Point, WI. 54481.

Please let me know how many will attend so we can provide beverages. Also you can invite non-members along. We want more hams to learn about QCWA.

How about bringing items for a Auction or perhaps some swapping of parts, etc. Your junk just might be someone else's gold!

## The Test Point



### Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

July 9, 1994	Madison, WI
July 9, 1994	South Milwaukee, WI (SMARC Hamfest)
July 20, 1994	West Allis, WI (MRAC)
July 22, 1994	Eau Claire, WI (ECARC Hamfest)
July 23, 1994	Eau Claire, WI (ECARC Hamfest)
July 30, 1994	Wauwatosa, WI MRAC)
July 30, 1994	Tomahawk, WI
August 6, 1994	River Falls, WI
August 13, 1994	Madison, WI
August 17, 1994	West Allis, WI (MRAC)
August 20, 1994	Dubuque, IA
August 27, 1994	Wauwatosa, WI MRAC)
September 10, 1994	Marshfield, WI
September 10, 1994	Madison, WI
September 10, 1994	Oak Creek, WI (MRAC)
September 17, 1994	Milwaukee, WI (BE)
September 17, 1994	Appleton, WI
September 21, 1994	West Allis, WI (MRAC)
September 24, 1994	Wauwatosa, WI MRAC)
October 1, 1994	River Falls, WI
October 8, 1994	Madison, WI
October 8, 1994	Oak Creek, WI (MRAC)
October 15, 1994	Milwaukee, WI (BE)
October 19, 1994	West Allis, WI (MRAC)
October 29, 1994	Wauwatosa, WI MRAC)
October 29, 1994	Marinette, WI
November 5, 1994	Menomonie, WI
November 6, 1994	Kaukauna, WI (Hamfest)
November 12, 1994	Madison, WI
November 12, 1994	Oak Creek, WI (MRAC)
November 16, 1994	West Allis, WI (MRAC)
November 19, 1994	Milwaukee, WI (BE)
November 19, 1994	Dubuque, IA
November 26, 1994	Wauwatosa, WI MRAC)
December 3, 1994	Stevens Point, WI
December 3, 1994	River Falls, WI
December 10, 1994	Marshfield, WI
December 10, 1994	Madison, WI
December 17, 1994	Milwaukee, WI (BE)
December 21 1994	West Allis, WI (MRAC)
Monthly, 1st Sat.	Racine, WI (except January, July & August)
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Oak Creek, WI (SWAT/MRAC) (except June, July & August)
Monthly, 3rd Wed.	West Allis, WI (MRAC)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, Last Sat.	Wauwatosa, WI (MRAC) (except December)
Monthly, Last Sat.	Tomahawk, WI (January thru October only)
Quarterly	Marshfield, WI (Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

#### GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

#### MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC) OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

#### BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon, at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available now will be FCC General Radio Telephone Commercial exams. Fees are \$5.75 for the Amateur Radio exams and \$35.00 for the commercial exams.

#### MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.75, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required,

contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, NZ9B

#### EAU CLAIRE, WISCONSIN

July 22 & 23, 1994 at the ECARC Hamfest, Northern Wisconsin State Fairgrounds, Chippewa Falls, WI.

#### RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

#### TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

#### STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

#### APPLETON, WI - ARRL/VEC

#### MANITOWOC, WI (HAMFEST)

#### KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

#### MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

#### RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

#### MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WB0KIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

#### GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

#### OSHKOSH, WI

Winnebago County ARC, Oshkosh Armory, 1415 Armory Place. Registration at 8:00 a.m. with testing at 9:00 a.m. Contact AA9BA, (414) 685-5018 or KB9IME, (414) 233-7158.

#### KAUKAUNA, WI - SWAPFEST

#### MANITOWOC, WI, LAKESHORE HAMFEST

#### RACINE, WI - BIG BOY TOY SHOW

#### RHINELANDER, WI - NWARC SWAPFEST

#### STEVENS POINT, WI - CWRA SWAPFEST

#### WAUKESHA, WI - KMRA SWAPFEST

#### WAUKESHA, WI - MIDWINTER SWAPFEST

#### EAU CLAIRE, WI - ECARC HAMFEST

(continued on page 15)

# Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

## Section Manager's Notes



Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

This is the 121st column and 11th year as SM. Your continued support and input is much appreciated.

Milwaukee RAC will have Special Event Station at Old Rail Road Depot August 13, contact W9NZF for info.

Southeast Wisconsin Chapter 162 of QCWA will have picnic at WA9JMO on August 14.

The Rock River RC annual picnic will be at Derge County Park near Beaver Dam Lake on August 14.

Northwoods AR Swapfest at Sugar Camp Town Hall near Rhinelander on August 27, ask NS9Q for details.

Miller Valley ARC International says it has 500 members and growing every day; meetings are at 6:30 p.m. at 703 North 39th Street in Milwaukee.

Would you like the new local Red Cross and ARES written agreement or a current list of 100 Wisconsin nets? Write to me requesting your copy.

Interested in becoming an ARRL Technical Specialist and help others with technical inquiries? Ask me for an application and if you become a TS you'll also get a free copy of my latest book, the *ARRL Technical Coordinator Manual*.

## Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

Newly coordinated repeaters: Chippewa Falls 147.975 WD9HFT; Ladysmith 51.450, 147.945, 222.320 N9QWH; Onalaska 449.475 Riverland ARC; Eau Claire 449.925 N9RSU; Tomah 449.800 and Hollandale 449.550 N9QIP; Baraboo 447.950 KE9KX; Milwaukee 51.290 N9PPX; Union Grove 447.250 N9OIG. Our Wisconsin Frequency Coordinator is WB0WOT of Beldenville.

Exams: August 6 River Falls, August 13 Oak Creek, August 17 West Allis, August 27 Tomahawk and Wauwatosa.

Sorry to report Silent Keys K9EVH and WA9RDH, both of Cudahy.

Thought for the month: *If wires can be connected in two different ways, the first way blows the fuse.* □

## Net News and Gossip

### Wisconsin Intrastate Net/Late

Ed Rice, W9NGP, Net Manager  
W126 Lang Road  
Oconomowoc, WI 53066

The totals shown below compare the first half of 1993 with 1994:

	QNI	QTC	QSP	QTR
1994	815	306	201	1723
1993	1059	244	175	1651

You can see that there has been a 23% decrease in check-ins, but at the same time, there has been a 25% increase in traffic offered and a 15% increase in traffic cleared. The increase in time confirms the other increases showing that a smaller number of stations are handling more traffic.

The success of Late WIN is due in part to the work of operators like N9CKC, who has increased his activity in handling 9RN traffic. Thanks, Steve.

N9KHD is now volunteering for 9RN duty, and this is appreciated, Andy.

As always, I am grateful to W9YCV, W9CBE, and N9BDL, who always check in.

73, Ed

## HF Special Event Station to Operate from Great Circus Train

When the colorful, colossal Great Circus Train makes its annual two-day journey from Baraboo to Milwaukee carrying its priceless cargo of antique circus wagons this year, it will carry the usual two-meter and telephone equipment and operators from Milwaukee County ARES. In addition, and for the first time in 28 years, it will have on board an HF special event station.

The train leaves Baraboo at 9 a.m. CDT on Monday, July 11 and arrives in Portage at 3 p.m. On

Tuesday, July 12, the train heads from Portage to Milwaukee, leaving at 9 a.m. and arriving in Milwaukee around 3 p.m..

Operating during those times will be special event station K9ZZ. Bands planned are 75 meters (around 3980 kHz), and just above the bottom edges of the General Class phone bands on 40 and 20 meters. One band at a time will be worked, as there will be but one rig and one operator. The station will simply operate where the propagation is best and activity is

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M. BOHNHOFF

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Using a 1" x 2" size self-inking stamp 1" x 2.5" with black ink. Red gum rubber, not photopolymer.

## ARRL to FCC: Time to Move Ahead with Call Sign Program

Continued from front page

Commission and permitted to charge a fee for preparing an application for a special call sign.

The ARRL said that, while nothing prevents entrepreneurs from providing such a service, including the useful one of making available the latest database of available call signs to applicants, the FCC has no authorization from Congress to "accept the voluntary services of private sector entities in the administration of [such a] program."

The League said that Maia's proposal was flawed in that it suggests that the average radio amateur is incapable of filling out the paperwork necessary to apply for a vanity call sign. The League told the FCC that radio amateurs are fully capable of correctly completing Commission forms and submitting them with payment.

The League said that if there were to be a "flood of calls" to the FCC's Gettysburg facility, from amateurs asking about the program, then that would be an indication of problems with the instructions or the application form, or both.

"Maia's proposal is cumbersome," the League said, "bureaucratic, and adds not a whit of value to the entire application procedure from the point of view of the applicant."

The League urged the Commission to proceed with a Report and Order on the "vanity" call sign proposal, incorporating the minor modifications suggested in the earlier ARRL comments.

- The ARRL Letter, 5/26/94

## FCC Clarifies Action

In response to a request from the ARRL and inquiries from others, the FCC's Private Radio Bureau has clarified new rules that went into effect on June 1, 1994. The new rules do not remove the restriction against automatic control of digital and RTTY transmitting below 50 MHz.

The new rules, resulting from action in PR Docket 93-85, relax the amateur service rules regarding the responsibility for the content of messages on high-speed digital networks. The commission amended Section 97.109(e), to allow a forwarding station in a message forwarding system to be automatically controlled while transmitting third party communications.

But, the Commission pointed out in a June 2 statement, Section 97.109(d), which was not amended, still limits automatic control of stations transmitting RTTY or digital emissions to frequencies above 50 MHz.

The FCC currently has under consideration two petitions for rule making, RM-8218 and RM-8280, that address this subject. The petitions were submitted by the ARRL and by the American Digital Radio Society.

More information is in June 1994 *QST*, page 81.

- ARRL Bulletin ARLB049, 6/3/94

highest.

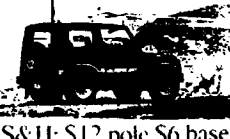
The operator on day one will be Maury Mead, W9FBC, of Neenah, WI; day two will be operated by Jim Romelfanger, K9ZZ.

Certificates will be available to those who work the station. A 9 x 12 inch envelope with three units of U.S. first class postage affixed will be required, and your QSL card, sent to Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. □

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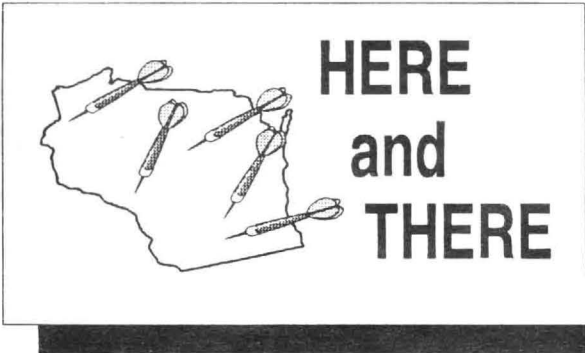
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Ideas Sought for Novice Roundup

A call has gone out for suggestions for a possible revamping of the ARRL Novice Roundup. The ARRL Contest Advisory Committee welcomes comments on how this event, which has fallen on hard times in recent years, can be resuscitated.

CAC Chairman Mark Beckwith, WA6OTU, observes that the goals of the contest haven't changed, i.e., to introduce newcomers to on-the-air competition and to see if the "contest bug" bites, and to improve operating skills.

The event should include no-code Technicians in some way, too, and there's the rub, since they have no privileges below 30 MHz, and Novices have very limited spectrum above 30 MHz.

"I am a proponent," Beckwith says, "of two different types of events run at the same time, one for Novices and one for code-free Techs, with separate entries and separate reports in the same issue of *QST*. I guess an enterprising 'Tech-plus' could go out and win *both* categories if he were really sharp."

The CAC is collecting comments on the Internet contest reflector; and you can submit written input to the committee via ARRL HQ (225 Main St., Newington, CT 06111).

- The ARRL Letter, 5/26/94

FCC Proposes Automatic Control for Amateur HF Digital Communications

In a notice of proposed rule making in PR Docket 94-59, adopted on June 13, 1994, the FCC has proposed amending the Amateur Service rules to authorize automatic control of stations transmitting a digital signal on the HF bands. The action had been requested in petitions filed by the ARRL and the American Digital Radio Society (ADRS).

In 1986, the FCC authorized automatic control of amateur stations transmitting digital communications on the VHF and higher frequency bands, and indicated that it was interested in authorizing such automatic control on the HF bands.

To determine solutions to the problem of interference from automatically controlled HF digital stations, the ARRL conducted a feasibility project under special temporary authority granted by the FCC to 50 amateur stations. The ARRL petition was based on the results of that study.

The FCC said that it was gratified by the cooperation and dedication of amateur organizations in determining the conditions necessary to allow automatic control of stations transmitting data and RTTY emission types on the HF bands. It agreed with the two petitioners that automatic control of amateur stations in the HF bands can, with safeguards, make the transmission of data and RTTY emission types both practical and effective.

Therefore, the FCC proposed to authorize automatic control for stations transmitting data and RTTY emission types on one specific subband of each HF band where such emissions are authorized. It also proposed to authorize communication between a locally or remotely controlled station and

an automatically controlled station on any frequency where data and RTTY emission types are otherwise authorized.

The text of the NPRM has not yet been released, and the comment deadline is unknown at this time.

- ARLB051, 6/15/94

Traffic Net Registrations Due

Nets have until September 6, 1994, to register in the 1995-96 *ARRL Net Directory*. This new edition will **not** carry over information from previous directories, so you must send a registration card (Form FSD-85, available from ARRL HQ, 225 Main St., Newington CT 06111) to Headquarters.

- The ARRL Letter, 6/15/94

STS-65/SAREX Launch July 8

Space shuttle mission STS-65 is on schedule for a July 8 launch with Mission Specialist Donald A. Thomas, KC5FVF, in charge of SAREX activity. This will be a 14-day mission. Astronaut Robert Cabana awaits his amateur license.

As on all SAREX missions, the crew will use separate receive and transmit frequencies. Please do not transmit on the shuttle's downlink frequencies.

Voice downlink (worldwide): 145.55 MHz.  
Voice uplink: 144.91, 144.93, 144.95, 144.97, and 144.99 MHz.  
Voice uplink (Europe): 144.7, 144.75, 144.8 MHz.  
Packet downlink: 145.55 MHz.  
Packet uplink: 144.99 MHz.

- The ARRL Letter, 6/15/94

FCC Call Sign Update

The following is a list of the FCC's most recently issued call signs as of June 1.

DISTRICT	GROUP A EXTRA	GROUP B ADV	GROUP C TECH/GEN	GROUP D NOVICE
0	AA0RB	KG0NH	++	KB0MX
1	AA1JE	KD1VA	N1RYS	KB1BIA
2	AA2SH	KF2VK	N2YTZ	KB2QZD
3	AA3HV	KE3NE	N3SBK	KB3BCD
4	AD4SJ	KR4SZ	++	KE4MHX
5	AB5UH	KJ5XX	++	KC5GWN
6	AC6CM	KO6CP	++	KE6HQM
7	AB7CN	KI7YS	++	KC7CQR
8	AA8OX	KG8JB	++	KB8STD
9	AA9KX	KF9VT	N9XAD	KB9IYE
HAWAII	++	AH6NG	WH6UQ	WH6CRG
ALASKA	++	AL7PQ	WL7SN	WL7CHQ
VIRGIN IS.	WP2N	KP2CC	NP2HM	WP2AHU
P.R.	++	KP4WU	++	WP4MPE

++ All call signs in this group have been issued in this area.

- ARRL Bulletin ARLB053, 6/23/94

Section Manager Election Results

Ballots have been counted in the Section Manager elections for the Vermont Section. Justin Barton, WA1ITZ, was elected with 213 votes over Mitch Stern, WB2JSJ. His term of office begins July 1, 1994.

Seven other Sections were not contested and the following were declared elected:

Alaska: Larry Flanagan, NL7XG.

Saving Money at a Swapfest



Glenn Miller, WA9VYE, above, knows how to keep the bucks from leaping from his wallet at a swapfest. Simply stash yourself in a camper at the talkin station! Glenn and Joe Androfski, K9OMF, were both busy doing the talkin chores at the Madison Swapfest in April. They were well occupied indeed, with dozens of mobiles asking for directions.

- Illinois: Bruce Boston, KD9UL,
- Indiana: Peggy Coulter, W9JUI.
- Maine: Michelle Mann, WM1C.
- Northern Florida: Rudy Hubbard, WA4PUP.
- Oregon: Randy Stimson, KZ7T.
- Wisconsin: Richard Regent, K9GDF.

- Condensed from The ARRL Letter, 6/15/94

Out-of-Band Gear: Legal to Own, not Legal to Use, Except....

A case involving a California amateur has led some to ask "Is it legal to own equipment capable of out-of-amateur-band operation?" The answer is yes, but it is NOT legal to transmit out of band, unless the communication is made in connection with the immediate safety of human life or the immediate protection of property, when no other means of communication is available. (Section 97.403, FCC Rules).

- The ARRL Letter, 6/15/94

Amateur Numbers Drop a Bit

Expirations of the first 10-year amateur licenses, issued in 1984, continue to take their toll. In March, the FCC "deleted" 3744 station licenses, while adding 3010.

- The ARRL Letter, 6/15/94

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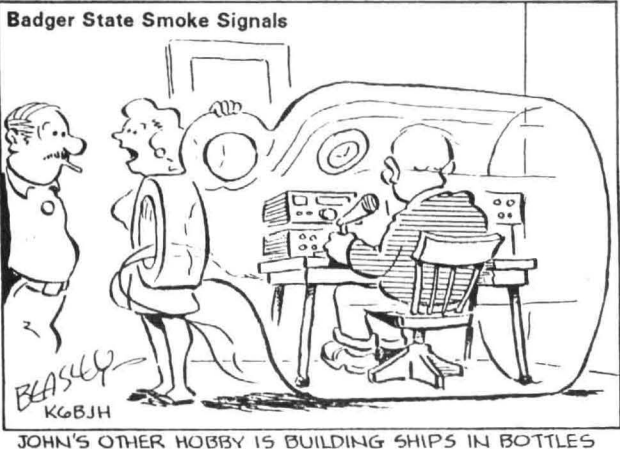
Name: \_\_\_\_\_ Call Sign (if any): \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913-0337. Please do NOT send cash!

July 1994



## The Computer Corner

By Stan Kaplan, WB9RQR  
11541 North Laguna Drive  
Mequon, WI 53092-3119

NUMBER 13 IN A SERIES

### VIRUSES

I decided it was time to start numbering the articles in this series, since we have now gone over a dozen. Last time I told you about the \$5.00 computer purchased at Friendly Fest in November 1993. That machine is still ticking away, doing service at the Ozaukee County Justice Center on a packet station. You can talk to it if you like - just C N9VBJ (leave me a hello, and please tell me what you think about this series).

This time I would like to make some suggestions to help prevent a virus attack. Actually, I had another article in this spot, but decided on the virus topic because one of our Ozaukee Radio Club members was hit by one. It made a mess of his files, and made his hard drive practically inaccessible. It took me six hours at the keyboard to rescue one critical file, and even then the file was damaged.

What is a computer virus? Nothing more or less than a nasty little program which is designed to do you damage. It resides on a floppy, inside another program or, more commonly, in the floppy boot sector. When you put the floppy in your machine, it transfers itself to your hard drive, and waits. Some do their damage next time you boot up your computer. If it is the Michelangelo virus, it waits until your system date is 5 March, then it does its dirty work. As of April 1994, there were 2,885 different viruses or strains known (a strain is a virus that has been modified somewhat from the original version).

There are two basic ways to protect yourself from a virus. The first is to use a good virus scan

program to test each and every floppy before you run any programs on it or transfer any to your hard drive. The best known such program is SCAN.EXE by McAfee Associates:

McAfee Associates, Inc.  
(408) 988-3832 office  
2710 Walsh Avenue, Suite 200  
FAX (408) 970-9727  
Santa Clara, CA 95051-0963  
BBS: (408) 988-4004 (25 lines)  
USR HST/v.32/v.42bis/MNP1-5  
Latest version: 9.25V114

CompuServe: GO MCAFEE  
(17Apr94)

InterNet support@mcafee.COM  
America Online: MCAFEE

You can get a shareware copy from Exec-PC (right in Milwaukee). Once you have it, write protect the disk it resides on and check your hard drive by giving the command: **SCAN C:**. It will check every file on your hard drive that has program code in it (EXE, COM, OVL and so on). If it finds a virus, it will tell you so and the name. The DOC file that comes with the program will tell you how to eliminate the virus. Once you have a clean hard drive, copy the SCAN files to it, and check EVERY floppy you get from someone else, by putting it in your A: drive for example, and giving the command **SCAN A:**.

The second way to protect yourself is even better, and it does not require the use of any additional programs, provided you have DOS 6.xx (xx = version 00 or above). DOS 6.xx contains an excellent program that can actually immunize your machine, called VSAFE.COM. The presence of VSAFE.COM in the latest version of DOS (6.20) is a really good reason to upgrade, if you are using DOS 5 or below. DOS 6.20 is generally an excellent operating system.

VSAFE is a TSR (Terminate and Stay Resident) program that you should call from your AUTOEXEC.BAT file each time you boot up. It will use about 23k of memory, but that can be high memory if you have a 386 or above. VSAFE sits in the background, and pops up on your screen to

warn you of anything that might smack of a virus trying to infect your machine. Here is how I load it on my 386 machines:

```
loadhigh c:\dos\VSAFE.COM /1 + /2- /3- /4- /5+ /6+ /7+ /8-
```

If you have an XT or a 286, the "loadhigh" should be changed to "load" (without the quotes).

What are all those switches after the VSAFE.COM above?

/1+ tells the program to warn you if anything tries to format the hard drive.

/2- turns off the warning if anything tries to become resident in memory.

/3- turns off the warning when anything tries to write to any disk drive.

/4- means don't check each executable file when it is run.

/5+ tells VSAFE to check the boot sector of any floppy you put in your machine.

/6+ tells the program to warn you if anything tries to write to your hard drive's partition table.

/7+ turns on a warning if anything tries to write to a floppy's boot sector.

/8- tells VSAFE not to warn you if anything tries to modify an executable file.

As you might have guessed by now, a + after a number turns that feature on, while a - turns it off. The loadhigh command line I showed you above reflects my particular desires, but you might try turning all switches on when first trying the program out. The warnings will pop right up on your screen. Here is what will happen if the /7+ switch is on, and you format a floppy disk:

#### VSafe Warning

Program is trying to write to FD Boot area  
Do you wish to continue?

Stop

Continue

Boot

Pressing S will stop the process, C will let it occur, and B will reboot your computer. Now, that's control! Go upgrade to DOS 6.20. Safe computing! □

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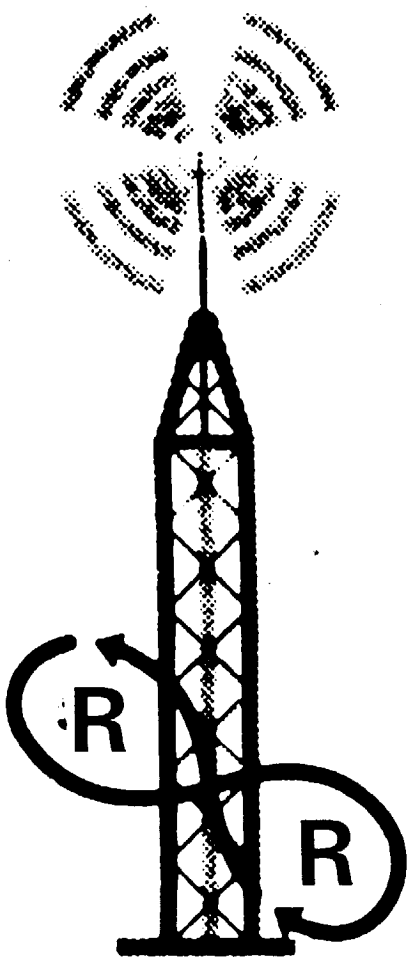
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# Expected Minimum for Solar Cycle 22

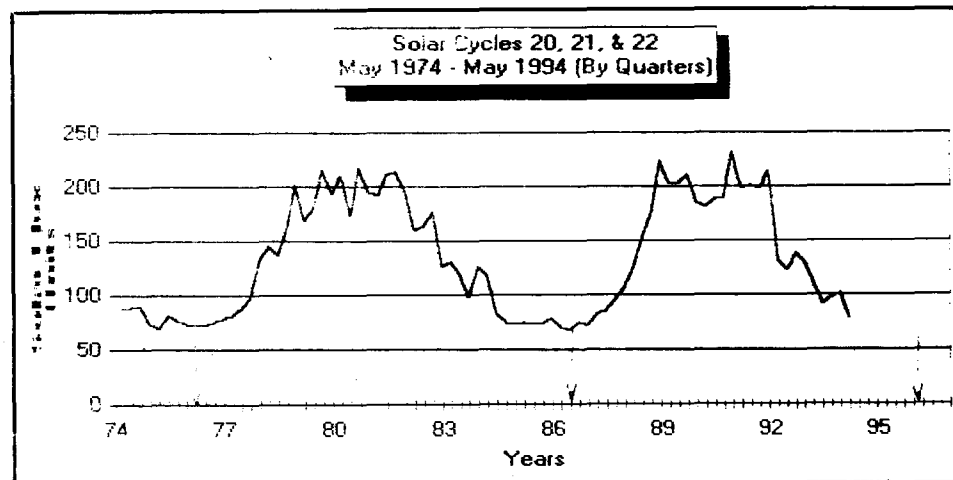
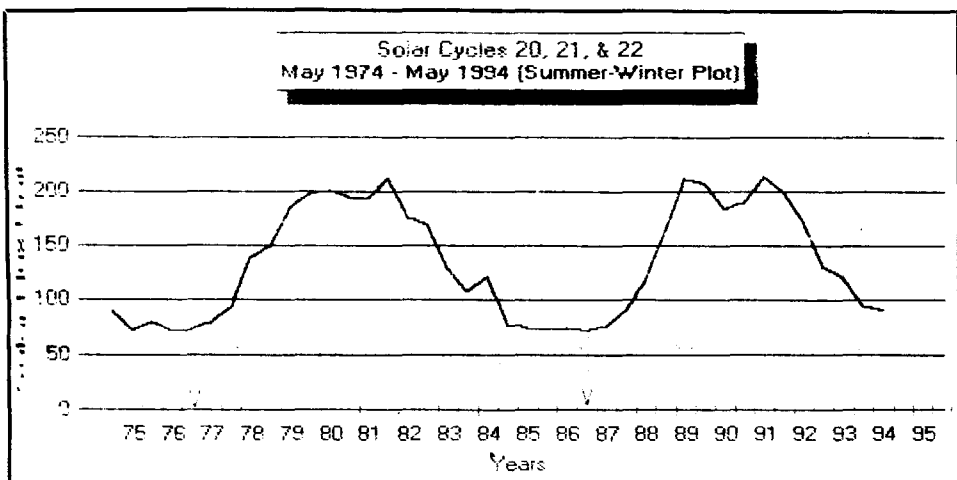
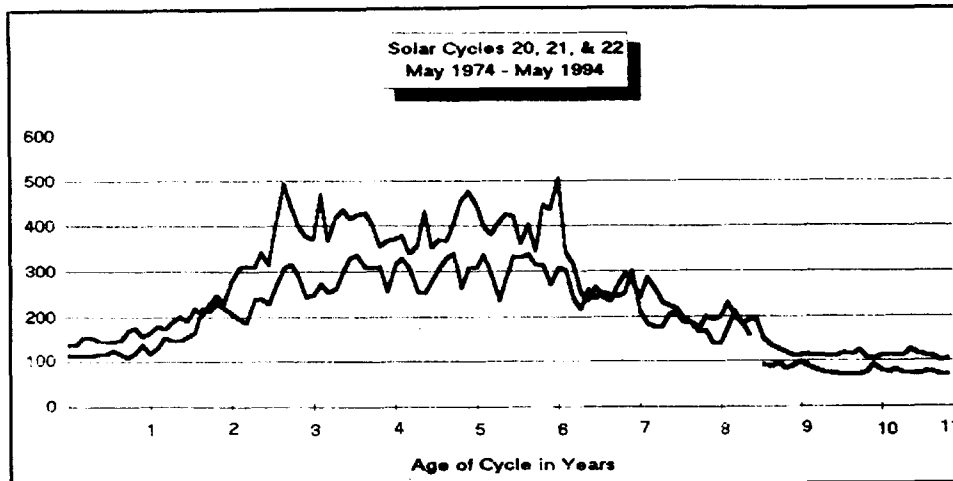
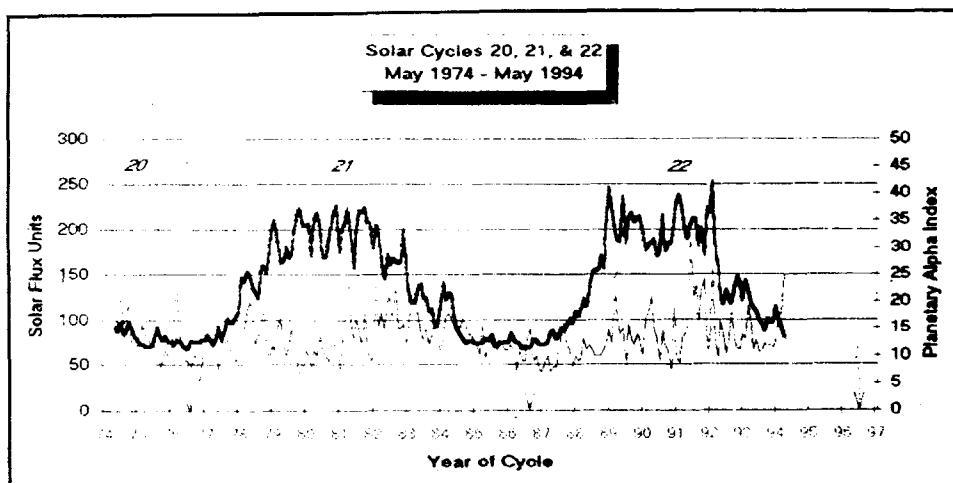
By Woody Minar, K9EF  
CSA PSC 50 Box 329  
APO AE 09494

We've always heard of the 11-year solar cycle. As described by me in the November 1990 issue of this paper, there are observed 5.5 year solar cycles, seasonal cycles, monthly, and even two-week mini-cycles, too. Predicting cycles for any duration is relatively straightforward, but is more difficult to pinpoint as the cycle time variable increases. This is because the mean duration of the shorter cycles is 10.2 years, while the longer cycles is 11.8 years. When the 2800 MHz Solar Flux data and Planetary Alpha (Ap) data of Cycle 21 overlays that of Cycle 22, the latter's characteristics suggest a short duration cycle with a predicted minimum of late 1996. This date is still tracking nicely with my prediction in November, 1990. Having been proven wrong before, a longer cycle would end in the second half of 1999. Please let me be right - this time!

Other forecasters, including the professionals, use the smoothed mean sunspot number for their predictions. The forecasting methodologies are similar, such as using an overlay of the cycles, comparing the peaks, and comparing the minimums. But, by observing the first spotless day after a peak, which occurred in the fall of 1993 for Cycle 22, and measuring 3-5 years hence, voila! Cycle 22 should end in the fall of 1996.

Based on Space Environment Services Center (NOAA) estimates, today's propagation characteristics, as a function of smoothed 10.7cm Radio Flux (roughly 118), will be comparable to those in the fall of 1998, when Cycle 23 will be 1-2 years old. Their regression model prediction for Cycle 23 suggests August, 2000, as the next peak, with little variance through December, 2001.

I can't wait!



## How to Send Club Information, Articles, and Messages to BSSS by Landline Modem

The RF Deck landline bulletin board in Baraboo, owned and operated by SYSOP Steve Schulze, N9UDO, is now ready to accept your files for BSSS. Here's how to send them.

1. The telephone number is (608) 356-4777. Call it with your modem and answer the new user questionnaire. The board will prompt you as you go.

2. To send your club's minutes and other news, you will need to go the file menu and change to the BSSS UPLOAD AREA. This is File Area #34. Choose <U>pload File from the File Menu, and then follow the prompts. Note that there are NO files in this area for download.

3. To send messages to the BSSS crew, the SYSOP, or to others, choose Message Conference #6. This would be the proper place for short, last-minute corrections or updates, etc.

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# FOX HUNTS

By Richard Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

What is an Amateur Radio Fox Hunt? It's kind of like the game of hide and seek. The Fox with a transmitter hides and Hunters with portable or mobile receivers seek the Fox.

If you've never been in a Fox Hunt, you'll like this great outdoors fun where you can get some free direction-finding training, increase levels of personal technical understanding, develop communication skills and enjoy friendly teamwork. Fox Hunts also prepare Amateurs to find transmitters that are stuck in the transmit mode or may be jamming the communications of others.

The Watertown ARC is one club that has brought back the vintage Fox Hunt, with straight forward rules and where the Fox does not transmit false or misleading information at any time.

It is about 6:30 p.m. and Hunters, in their vehicles with many different antennas and Watertown street maps, arrive at the parking lot of Farm and Fleet for the Fox Hunt. The Fox is Terry, N9JUU, who hides on public property in full view

from public roads at a secret location limited to within a three mile radius of the Watertown Library. Terry transmits and identifies on 145.72 MHz at least 15 seconds each minute or at the request of any Hunter for at least 10 seconds. Also helpful to new Hunters is that N9JUU does not change location or power level during the Hunt.

Hunters can use signal strength comparisons of the Fox signals by changing their location and direction to guess the fastest route to the Fox. Some expert Hunters systematically triangulate the location of the Fox, and may have sophisticated equipment and procedures. It's a well-defined goal, with lots of excitement along the way for everyone.

The Fox is found by the most skillful Hunters first. If inexperienced Hunters have strayed, the Fox can later give a few helpful clues to lure them back on target. With the Fox found by Hunters and excitement of the Hunt still high, everyone (even the Fox) finally drives over to the Library where discussions, the Club business meeting and perhaps a short program takes place.

One of the first Fox Hunts I participated in was held in Rockford, Illinois, on 10-meter AM and we were using 1960 tube-type Morrow gear. Bill Thompson, W2MTA, and I had a thrill a minute being Hunters. We eventually did find the Fox that afternoon, and then continued learning about our

fascinating hobby over the years. Bill is now also a Section Manager (of Western New York).

Fox Hunts are another rung on the Amateur Radio ladder of experience. But you have to take that first step. Check clubs in your area for one that has a Fox Hunt and maybe ride along with a Hunter and enjoy. □

*Editor's note: When your Amateur Radio club or group has a Fox Hunt scheduled, it is strongly suggested that you notify your local police department before the hunt. If you do not, you may find yourself trying to explain to a police officer what you are doing during the fox hunt. I and Al, AA7CS, know from experience.*

*Of course, there was a hunt in a southeastern Wisconsin county with the "fox" in - you guessed it - a squad car!* □

## Amateur Radio Club Forms in Clark County

On the evening of May 17, 1994 a group of ten Clark County Amateur Radio operators met at the American Legion Hall in Loyal, Wisconsin to discuss the possibility of forming an official local Amateur Radio organization.

The result of that meeting was the "birth" of the "Black River Wireless Association" (BRWA), the name selected for the organization by those present at the meeting. According to one "old-timer" at the meeting, this is very likely the first Amateur Radio club ever organized within the county.

A set of by-laws was also adopted at the meeting and elections for officers for 1994 were conducted, with the following results: Stan Pekol, N9MHV, Neillsville, President; Jeff Parker, N9UWX, Loyal, Vice-President; and Scott Klueckmann, N9VZG, Neillsville, Secretary-Treasurer.

Dues were set at \$10.00/year for the club and an additional \$10.00/year for a 2-meter repeater that the club hopes to put on the air from the central part of Clark County in the near future. Those present at the meeting discussed the purchase of some used repeater hardware from the Taylor County Area Amateur Radio Club.

The group also opened up negotiations with WA9ZCO and N9GHZ, owners of the 145.27 repeater formerly located at Dorchester, Wis. The owners indicated a willingness to relocate their repeater to the Loyal area, if the BRWA will provide tower space and a site for the repeater within the Loyal telephone exchange, a telephone line for the autopatch, a controller for the repeater, and permit access to the repeater by the owners, for maintenance purposes. An agreement will be drafted in the near future.

Also discussed were future SKYWARN severe weather watch net operations for Clark County. It was decided to use 145.27 MHz simplex for severe weather watch nets in Clark County, for the time being. A repeater, on that frequency, will hopefully be on the air in central Clark County at some point in the future.

It was decided to hold regular meetings on the 3rd Tuesday of every other month, with a starting time of 7 p.m. The next two meetings will be June 21st and August 16th. The meeting location for the time being will be the American Legion Hall in Loyal.

The following Amateur Radio operators were in attendance at the May 17th meeting:

Dick Anderson, N9SDY, Abbotsford  
Marv Geiger, WD9INA, Loyal  
Ed Malinowski, KA9MVG, Loyal  
Jeff Parker, N9UWX, Loyal  
Ed Pekol, W9FPE, Greenwood  
Stan Pekol, N9MHV, Neillsville  
Mike Schoenfuss, N9GHZ, Abbotsford  
Ken Smith, N9RRF, Granton  
Tom Wegner, N9UWY, Neillsville  
Marc Winzenried, WA9ZCO, Abbotsford

Anyone wishing to join the Black River Wireless Association may send their dues to the Treasurer: Scott Klueckmann, N9VZG, 401 W. 17th St., Neillsville, WI 54456.

- Mike Schoenfuss, N9GHZ

## EAU CLAIRE AMATEUR RADIO CLUB SWAPFEST

State Fairgrounds • Chippewa Falls, WI

**SATURDAY, JULY 23, 1994**

**from 7:30 a.m. to 2:30 p.m.**

- |                                     |   |                                  |
|-------------------------------------|---|----------------------------------|
| ✓ <b>FREE PARKING</b>               | ✓ <b>ADVANCE SETUP FROM 5 P.M. FRIDAY</b> | ✓ <b>DOOR PRIZES</b>             |
| ✓ <b>FREE COFFEE</b>                | ✓ <b>BUILDING SECURITY FRIDAY NIGHT</b>   | ✓ <b>COMPUTER EXPO</b>           |
| ✓ <b>LUNCH AVAILABLE ON GROUNDS</b> | ✓ <b>DRIVE IN SETUP WITH NO STEPS</b>     | ✓ <b>COMMERCIAL EXHIBITORS</b>   |
| ✓ <b>ALL INSIDE</b>                 |   | ✓ <b>LIMITED POWER AVAILABLE</b> |

### INFORMATION AND RESERVATIONS

Carol Ceraso, N9TUA      Liz Searing, N9EQR  
(715) 723-9205      (715) 834-1303

**Eau Claire ARC**  
P.O. Box 1867  
Eau Claire, WI 54702-1867

### W5YI/VEC EXAMS

Friday, July 22, 7 to 9 p.m.  
Saturday, July 23, 9 a.m. to 1 p.m.  
All walk-ins

Information: W9NW, (715) 834-1303

### TICKETS

Admission . . . . . \$4.00  
Tables (non-commercial) . . . . . \$5.00  
Tables (commercial) . . . . . \$10.00

### WAPR CONFERENCE 10 a.m.

9600 baud backbone  
9600 users  
Packet Cluster

### DIRECTIONS:

- ✓ From Eau Claire: 53N to 124N through Chippewa Falls to Fairgrounds
- ✓ From Rice Lake: 53S to Hwy. S to 124S to Fairgrounds
- ✓ From East or West: 29 to 124N through Chippewa Falls to Fairgrounds
- ✓ **TALK-IN ON 146.31/91 REPEATER**



# Telegraph's the King

Continued from front page

said he has been a member since 1979. The club, through occasional educational events, newsletters and member meetings, also extols the virtues of Samuel Morse, the telegraph, and its effect on modern technology.

King's home is peppered with miniature telegraph models, and in one of the rooms is a useable telegraph. Due to the absence of useable telegraph lines, it is specially hooked up to a telephone.

But having to use the telephone to send telegrams doesn't mean telegraphy is dead, he said. Rather, the adaption further illustrates his point that many modern machines are merely sophisticated telegraphs.

"When the telegraph died as a means of communication, it didn't really die because so many machines still make use of the Morse principle," he said. "It's not dead by any means."

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## Correspondence

....from our readers



June 13, 1994

Dear Jim:

I was pleasantly surprised to find a copy of *Badger State Smoke Signals* in my mailbox this afternoon. Additionally, I was shocked to learn that my score, in the Wisconsin QSO Party, was the highest one of the logs submitted from Massachusetts. With my signal, occasional contest participation is primarily a means for confirming new prefixes and counties. I submit a copy of my log as a courtesy to contest officials, in the event they want to use it as a reference.

The primary purpose of this letter, however, is to compliment you about your fine monthly newsletter. The *Badger State Smoke Signals* is the most interesting and informative regional Amateur Radio publication that I have ever had the pleasure to see. Here, in the Western Massachusetts District, locally produced publications consist of a few photocopied pages sent by the various clubs to their members. I intend to [show] the editors of those newsletters your fine monthly publication, hoping that it keeps them humble.

Additionally, I would like to express my sincere appreciation to the Wisconsin QSO Party Committee for a great time and to the many Wisconsin hams who returned QSL cards. About 90% of my QSL requests were successful -- a good rate of return!

Thank you for the copy of the *Badger State Smoke Signals* and the great time I had during the contest. I look forward to participating next year.

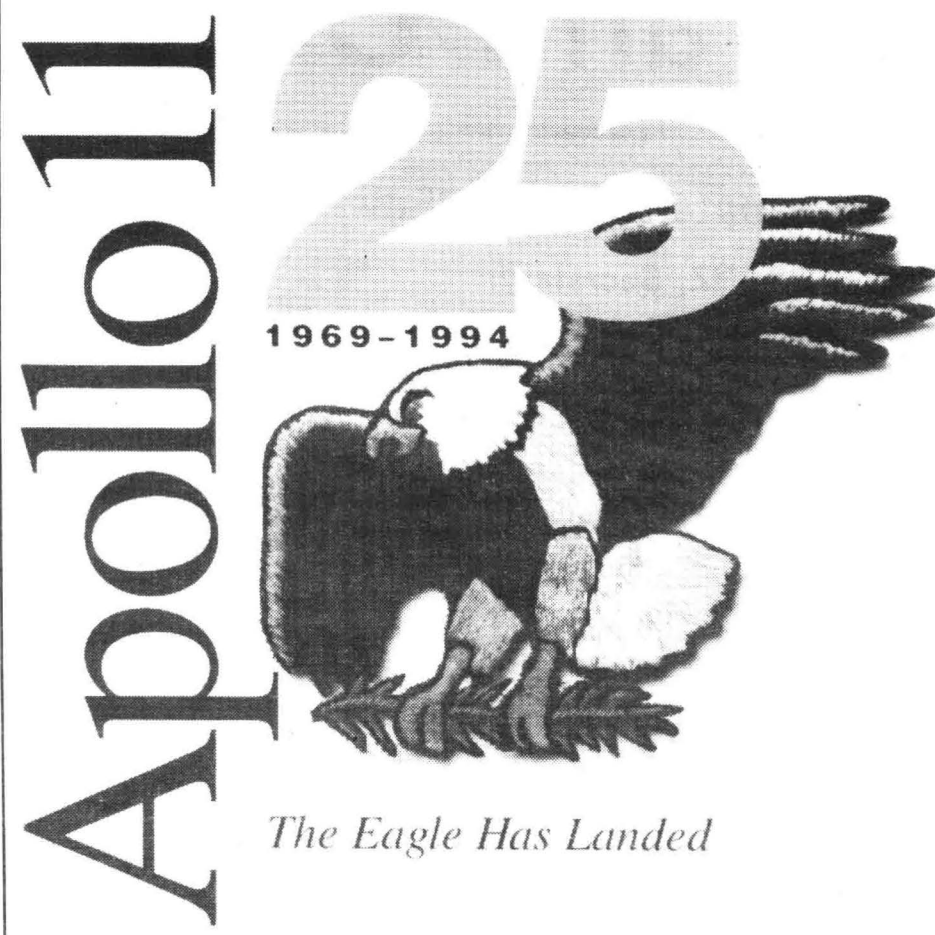
73,

Clyde Llewellyn, WW1A  
East Longmeadow, Massachusetts

## ADVERTISING SALES REPRESENTATIVE NEEDED

**Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, or call Ken at (608) 742-3560.**

# July 20, 1969, 3:18 p.m. CDT: "Houston.. Tranquility Base Here.. The Eagle Has Landed."



Those words from the Apollo 11 Lunar Excursion Module (LEM) told an awe-struck world that mankind was no longer earth-bound, but had expanded his exploratory horizons beyond our own planet.

Then, a few hours later, even more historic communication came from Neil Armstrong, as he made his first careful step onto the moon's surface: "That's one small step for a man, one giant leap for mankind." Astronaut Neil "Buzz" Aldrin emerged shortly after, and the two began their exploration of the lunar surface and collected lunar material samples to bring back to their home planet. Meanwhile, astronaut Michael Collins remained in the Command Module, orbiting the moon at about 60 miles above its surface, "minding the store," and waiting for the return of Armstrong and Collins.

The official NASA commemorative logo above marks the 25th anniversary of that first lunar landing. The design incorporates an eagle, from the original Apollo 11 crew insignia and also the inspiration for the lunar module's name, descending toward the lunar surface with an olive branch, symbolizing America's peaceful mission in space.

Five more missions landed on the moon, some later including a "LEM": a battery-powered lunar "dune buggy," which allowed the astronauts to cover more of the surface during their Extra-Vehicular Activities (EVAs). The EVAs included photography, collecting samples of lunar dirt and rocks, and deploying experiments. The Apollo lunar-landing missions ended with Apollo 17 in 1972. The program originally was planned to continue through Apollo 22, but funding was cut.

## NEW PRODUCTS

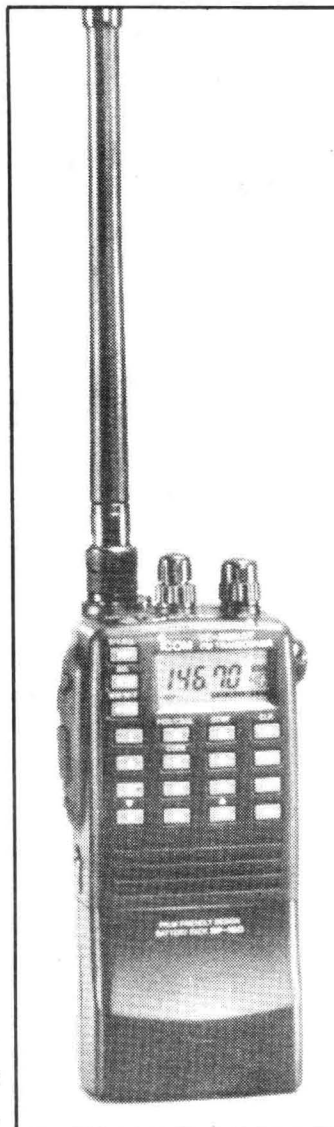
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Offering a powerful seven watts of output power with a 13.5 VDC power source or optional BP-132A battery pack, you'll be able to reach fringe areas. One watt low power will provide longer operating time. A power saver function reduces current drain during standby.

The 2GXAT is constructed to withstand the rigors of outdoor operation, including dust and moisture. The rear case is made of rugged die-cast aluminum, and the body is splash-resistant.

Repeater information can be stored in the call channel or 40 memory channels. Tone scan is available to detect the subaudible tone frequencies. Subaudible tone encoder, tone squelch, and pocket beep are included. A monitor function is included to receive a repeater input frequency. The IC-



2GXAT also includes five DTMF memory channels and a DTMF redial function for autopatching.

The IC-2GXAT also includes a memory function for quick QSYing, programmable scan, and memory scan with a skip function. A set mode can further customize handheld operation.

The display can be set to display the memory channel numbers only, and the number of available memory channels can be limited. Display lighting with a five-second timer provides excellent visibility.

A battery pack, charger, belt clip, and handstrap are included. Options for the IC-2GXAT include a pager and code squelch.

The suggested retail price for the IC-2GXAT is \$359.00.

For further information, please contact your local Icom dealer or Icom America, Inc., 2380 116th Avenue N.E., Bellevue, WA 98004, (206) 454-8155.

- Icom news release

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# PARTICIPATING Clubs and Organizations

## Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

### MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, July 7th at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz) or 146.52 MHz simplex.

### MEETING PROGRAM

Following the business meeting, a half-hour videotape of the July 4, 1992 N9MCH special event station at The Highground War Veterans Memorial near Neillsville, WI will be shown.

### EXCERPTS FROM MINUTES OF JUNE 2, 1994 MEETING

Meeting was called to order by President N9GEN. Present were N9GHZ, KB9IQL, W9LEE, WA9YCT, WD9FWP, N9GEN, KB9BLV, N9UBQ and KA9WDX.

Minutes of the May 5, 1994 meeting were read by Secretary N9GHZ. The treasurer's report was presented by Treasurer WA9YCT.

A summary of the May 14th VE exam session held at Medford was given. There were 5 Volunteer Examiners present, including WA9W from the Tomahawk Volunteer Examiners. VE's from the local club included N9GEN, N9GHZ, N9IDW and NZ9U. WA9YCT, Medford, upgraded

from Advanced to Extra Class. Steve Dunn, Medford, earned a codeless Technician Class license.

An update on the 147.15 Medford repeater was presented. N9GHZ reported that he had delivered a complete set of up-to-date repeater records, including equipment manuals and schematics, to Northway Communications in Wausau. Within the next couple of weeks complete sets of records will also be placed in the repeater cabinet and in the club's filing cabinet in the Emergency Government meeting room.

N9GHZ reported that the Taylor County Sheriff's Dep't. repeater had been experiencing some sort of RFI, possibly the same thing that has been plaguing our repeater. They apparently contacted both Northway Communications and the FCC about it, and some action already has been or will be taken in the near future. N9GHZ also reported having made an audio tape recording of the interference and the tape will be forwarded to Northway in the near future.

An update on the Taylor County emergency command post bus was given by N9UBQ. Rollie is still trying to arrange to get the DC power cable for the 2-meter/440 rig installed in the bus, but hasn't been having too much luck lately.

N9GHZ reported that an Amateur Radio club known as the "Black River Wireless Assn." was formed at an organizational meeting held in Loyal on May 17th. Motion by KB9BLV, seconded by N9UBQ, to sell the old 147.15 repeater hardware to the Black River Wireless Assn. for \$50.00. Motion carried.

N9GHZ also announced that the owners of the 145.27 repeater (N9GHZ and WA9ZCO) formerly located at Dorchester, WI, are negotiating with the BRWA to

allow them the use of the repeater and to move it to the Loyal, WI area.

ARES Emergency Coordinator N9GHZ announced that the American Cancer Society and Memorial Hospital of Taylor County are sponsoring a "Move-Along-A-Thon" on June 11th, and Taylor County ARES has been requested to provide communications for the event.

N9GHZ discussed the severe weather watch situation that existed in the area on May 30th.

Field Day was discussed. The shelter at the south end of the Medford City Park has been reserved in the club's name for this purpose.

Meeting was adjourned.

## CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ  
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex.

We are also experiencing some problems in finding volunteers to assume net control duty for the weekly net. Ninety-nine percent of the hams in Clark and Taylor County should have a copy of the current net script as a result of a past mailing I did. There is no excuse for not knowing how the net is run!

The same one or two individuals CANNOT continue to run the net week after week. We need to have more people doing it, both to gain the experience and to provide a larger rotation of net control stations. No one expects you to not make a few mistakes the first few times you do it, so don't let that stop you! If no net

control comes on the repeater at 8:30 p.m. or shortly thereafter, jump right in and get things started. PLEASE VOLUNTEER!

The annual St. Jude Children's Research Hospital "Wheels For Life" bike-athon was held in Medford on Saturday morning, 5/21/94, from 9 a.m. to 12 Noon. 23 bicyclists traveled a 1-mile round trip course adjacent to the Medford City Park, logging a total of 511 miles. N9GHZ and N9FZD provided Amateur Radio communications for the event, utilizing the 147.15 Medford repeater.

ATTENTION ALL CLARK COUNTY HAMS: At the May 17th meeting of the Black River Wireless Assn. at Loyal, after some discussion, it was decided to use the frequency of 145.27 MHz simplex for Clark County SKYWARN weather watch nets. It is hoped a repeater will be on the air from Loyal in the near future, on this same frequency. A weather watch net operations plan and net control guidelines are still in development.

On May 30th, a tornado of northcentral Wisconsin, including Clark and Taylor Counties, for the better part of the afternoon and evening. At approximately 7 p.m. that evening I put out a call on the 147.15 Medford repeater, 145.47 Sheldon repeater, and 146.52 simplex, looking for information on current weather conditions in outlying areas, to see if calling up a weather net was justified at that time. I received absolutely NO replies whatsoever to my call, except for one station on the 147.15 repeater who was so noisy I could not make them out.

Later in the evening there were several stations that did show up on the 147.15 repeater.

I realize that this was a holiday weekend, and therefore many local hams were likely out of town at the time. However, I think this points out the continued necessity to remind EVERYONE that ANYTIME there is threatening weather in the general area, we need to at least have our radios turned on and try, if possible, to remain within hearing distance of them, in case things turn really bad. □

## OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point



WB9QFW 2-Meter Repeater 146.07, 67 and Club Station

P. O. Box 923 • Plover, WI 54467

### MEETING MINUTES JUNE 8, 1994

President Art Wysocki, N9BCA, called us to order at 7:30 p.m. Treasurer Scott Jasper, NE9U, reported the club's current finances are still in the black. Secretary Joe Larson, N9JW, reported on recent mail: a thank you card from the family of Clinton Miller, and a thick package with our club liability insurance premium due and coverage information.

Dave Olson, N9JQU, outlined the plan of attack for Special Olympics starting the day after our meeting. We started around noon Thursday, providing communications and coordination for the thousands of athletes and visitors that were there. The excitement was over around noon Saturday, with "choir practice" after that. Dave reported that the WSO folks apologized for leaving us out of last year's thank-you newspaper ad, and they would fix that situation this year.

Al Mallek, K9WVM, is still taking names of anyone who wants to order their own "Amateur Radio Emergency Communications" shirt. There is roughly a six week wait, so there was not enough time to get an order in before Special Olympics.

Art, N9BCA, reported on the swapfest status. All is ready.

And rounding out the busiest month for ham radio in central Wisconsin, the Field Day report. For general information, here are the items on our checklist:

- ✓tent
- ✓tower
- ✓HF rig (club station)
- ✓R5 vertical antenna
- ✓dipole and end supports
- ✓keyer (club station)
- ✓computer, log program, and printer
- ✓table and chairs
- ✓extension cord
- ✓ground rods
- ✓ground wire
- ✓desk light
- ✓mosquito spray
- ✓headphones and splitter
- ✓all-night operator(s)
- ✓beer (byo)
- ✓packet station
- ✓official ARRL entry forms
- ✓arrange for publicity with local paper
- ✓generator
- ✓outlet strips
- ✓log sheets and paper
- ✓box of doughnuts for Art

We will be setting up starting about 0900 in the same location as last year: the parking lot near the Schmeekle visitor center on North Point Drive. The visitor center will be open all night for water and facilities.

### NEW BUSINESS

"Adopt-A-Highway." The proposed section was Highway 51 southbound, from B to HH around Stevens Point. After some discussion, we voted to not pursue this.

Mike Pagel, KA9LAQ, invited everyone to the QCWA picnic, July 16 starting at 1100 at DuBay Park. Bring your own meat to grill and a dish to pass. Liquids will be provided. The program will include a "Parts Auction." Everyone is invited: you do not have to be a member of QCWA to come and enjoy the afternoon in the park. Please call John Feltz, WA9LWJ, and let him know if you are coming so he can bring enough liquids.

Mike also reminded us of the QCWA nets on 146.82, at 2000 on the 1st and 3rd Thursdays of the month.

The August meeting of CWRA will be our annual fox hunt, and will be on the normal meeting date: August 10. Our July meeting will be in the UWSP Science Building in room D223 on July 13.

Speaking of fox hunts, Mike, KA9LAQ, is still gathering information on the commercial station causing trouble to our local repeaters. Joe, N9JW, picked up a clear CW id which might help: he copied the interfering station identify itself "DE WOR953". Ring any bells?

### Attendance

Joe Larson N9JW  
Art Wysocki N9BCA

Jeremiah Maller  
Raymond J. Dix, Jr.  
Dave Olson  
Joe Omernick  
Mike Eiden  
Mary Eiden  
Loren Larson  
Lori Jasper  
Scott Jasper  
Gene Kroll  
Deb Droll  
Mike Pagel  
Jim Benak  
Mary Maller  
Frank Guth  
Bob Baird  
Al Mallek  
Doc Rifleman  
John Kalina  
Gary Maluka

N9WBU  
KF9BG  
N9JQU  
N9CGV  
WD9JID  
KA9FAS  
N9SEA  
KA9ZGD  
NE9U  
KE9MA  
N9EIL  
KA9LAQ  
KA9ACE

W9BCC  
W9NN  
K9WVM  
WA9N  
KA9DJA  
WD9ESX

Respectfully submitted:  
Joe Larson, N9JW  
CWRA Club Secretary

## Field Day Photos Wanted!

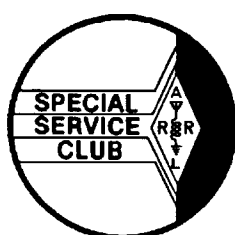
Badger State Smoke Signals would like to publish photos of your club's or group's Field Day operation. Send 'em to the editor; see page 2 for the address. And, don't forget to send some to the ARRL with your Field Day report and score.



## Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI  
54221-0204



### MANCORAD MEETING MINUTES JUNE 8, 1994

The meeting was called to order at 7:30 by Club President Steve, N9PBL. A videotape about getting started in amateur satellites was shown by Yogi, WN9Q. Since several club members are interested in satellite operation, or already operate through them, this videotape is of great interest. The second half of the videotape will be shown at next month's meeting.

Treasurer Janice, N9IQZ, read the treasurer's report. This, along with a request for the release of funds to pay the liability insurance premium for the hamfest, were approved by the club. The minutes from the May meeting, were approved as printed in the *Smoke Signals*.

With the commemoration of D-Day occurring during the time the meeting was held, club members Chuck, W9BZU (who worked in the shipyards), Charlie W9GXD (who was stationed in England), Charles, N9WUN (who was stationed in New Guinea), and Oran, N9VIA (who was stationed in the south Pacific), told about their impressions of the World War II era.

#### OLD BUSINESS

Club President Steve, N9PBL, presented the club with information researched on generators. Other members such as Red, N9GHE, also provided information on generators to help the club in its purchase of a generator, for emergency use. After much discussion, it was decided by the club that further investigation of this issue (the purchase of a generator), needs to take place.

Yogi, WN9Q, informed the club that he had a line on a used Cushcraft R7 multiband HF vertical that could be bought by the club at a reasonable price (compared to a new R7). This antenna would be used for such club functions as: Field Day; emergency operations; and special event stations. It would be much more portable than the tribander the club now has. The club voted to purchase the used R7. Yogi said he would purchase the antenna in time for Field Day.

The club extends its condolences to Len, N9QFO, who broke his hip, and as result, required hip replacement surgery. *Get well soon, Len!*

#### NEW BUSINESS

Club President Steve, N9PBL, mentioned that the club might possibly be helping out again with this year's Leuke-

mia Bikeathon. It will be held on the weekend of July 16-17. If club members are interested in helping out with radio communications for it, please try to keep this date open, for helping out.

The club voted to grant membership to Charles "Chuck" Savard, N9WUN. Chuck recently received his license. *Welcome to the Amateur Radio ranks, and glad to have you in MANCORAD, Chuck!*

As was mentioned in the minutes for last month's meeting, the club was scheduled to vote on proposed changes to the club's constitution. The amount of absentee ballots that the club received, and the amount of meeting attendees, produced 40 votes on the constitution changes, which met 51 percent minimum (of club members) needed to make the vote official. All changes were required to be passed by a unanimous vote. As a result, all proposed constitutional changes, except for two sections, were approved by club vote. Many thanks go out to those who voted (either at the meeting, or by absentee ballot), and made the changes possible.

The club approved \$150 to be used to buy a keyer for club use. Yogi, WN9Q, will look into obtaining one.

The meeting was adjourned at 9:45 p.m.

73, catch you on the bands!

Eric Rugowski, WD9IAB

### MEETING ATTENDEES June 8, 1994

Steve	N9PBL
Oran	N9VIA
Lyle	WB9VTM
John	NZDZ
Bill	K9DUX
Yogi	WN9Q
Charlie	W9GXD
Vic	WB9VYO
Roger	W9NPX
Bill	WD9ERN
Jim	N9KKG
Bob	KB9INK
Red	N9GHE
Glen	KF9VB
Mike	N9UFZ
Chuck	N9WUN
Ken	K9HAG
Paul	N9QFX
Tom	KB9IJR
Dick	N9QFY
Gene	N9UGA
Julie	N9PZX
Ron	WS9X
Janice	N9IQZ
Mary	KB9GOY

## Wisconsin Valley Radio Association

Dee Duckett, N9SDM, Secretary

P.O. Box 363 • Wausau, WI 54402

**Six Meter Repeater: 51.74 Input/51.24 Output**

### JUNE MEETING

At 7:34 p.m., the regular monthly meeting of the W.V.R.A. was called to order by club President Mike Wild, KB9DED.

The minutes of the May meeting were read by Secretary Dee Duckett, N9SDM. A motion to accept the minutes as read was made by Andy Meitzner, N9NRA, seconded by Phil Neubauer, KB9DZG, and approved by the membership.

Mike, KB9DED, read the treasurer's report for the missing treasurer, Mike Matkovich, N9IAB. Scott Tatro, N9NQQ, made a motion to accept the report. Tom Vollstedt, N9TTA, seconded and was approved by the membership.

The following attendees stood up to introduce themselves:

Norm Winters, N9HJF  
Jim Salkowski, N9SDI  
Jack Klein, N9LIA  
Andy Meitzner, N9NRA  
Delwin Hoffman, N9PHC  
Tom Vollstedt, N9TTA  
Phil Neubauer, KB9DZG  
Dody Neubauer, KB9FRB  
Paul Neubauer, N9IOG  
Craig Passner, N9QWR  
Dan Wagner, N9OWD  
Arnie Patton, N9KJK  
Doc Roberts, K9BX  
Don James, N9NQY  
Russ Wattling, KB9CKR  
Cal Bennet, N9NQU  
D. Scott Lampley, N9WAB (newest member)

Duane Kasten, N9NRC  
Al Lippert, KA9PML  
David Pierzchalski, N9NQL  
Mike Wild, KB9DED  
Dee Duckett, N9SDM  
Michael Duckett, N9SDN.

Dee, N9SDM, asked the membership if everyone got their first issue of *Smoke Signals*. Arnie, K9KJK; Andy, N9NRA; and Jack, N9LIA did not get their issues. It will be checked into.

The Wausau Bike Race on July 31, 1994 was brought up. Mike, KB9DED, asked Scott, N9NQQ, to chair it again this year. He consented. N9SDM volunteered himself and N9SDN right away.

Per Don, N9NQY, is still no information about the Wausau Air Show on June 19. KB9DED said he tried to call John at the airport unsuccessfully, and that John was aware of this meeting. Craig, N9QWR, indicated that since he just started working at the airport he would talk to John about whether or not volunteers would be needed.

Kris, KA9HQE, reported there was a \$1 lease agreement for the 440 repeater with Bob Greenheck, but we are not sure when the last payment was made. N9QWR made a motion to find out how much back

rent is due and to have the club bring it up to date. Motion seconded by Paul, N9IOG, and approved by the membership. Will have the treasurer, Mike, N9IAB, take care of this.

Bob Greenheck, KB9ACQ, is still looking for all the old minutes and club papers; he is not sure about the exact location of the club bylaws. KA9HQE will contact KB9ACQ again about this.

KB9DED read the letter of appreciation from the Boy Scouts for our participation in their Field Day.

The membership discussed leaving the club's dual-band antenna up permanently out at the lodge at Nine Mile since it is used several times a year for bike races and the Badger State Games. When the club goes to put it up for the July 31 bike race, the grounding of the mounting will be checked, and possibly it will be mounted permanently at that time.

This year's club picnic will be Sunday, July 10, at Blue Gill Bay Park. There is a shelter there if needed, and all enjoyed there last year. Menu is bring your own.

N9QWR told the membership about the United Cerebral Palsy Walkathon this Saturday. He needs at least a dozen volunteers, a couple of card tables, and chairs. He asked N9SDM to send around a signup sheet.

N9QWR will also have more info Thursday of next week about possibly renting a trailer from Kings Campers for Field Day. N9NQQ indicated that in a pinch maybe he could borrow a trailer from his work.

At 8:07 we paused the meeting for our program. Norm Winters, N9HJF, the Lincoln County ARES Coordinator was kind enough to come down from Tomahawk to talk to us about ARES. Normally, the presentation comes after the meeting, but we did not want to keep Norm any later than necessary. A number of club members are interested in joining an ARES group, but are not getting a lot of cooperation from the local coordinator. Norm made his presentation, answered many questions, and gave some advice on how to proceed. N9LIA made the motion to have the board contact the Marathon County ARES Coordinator, Rich Mair, KC9NW, about this matter. N9TTA seconded and was approved by the membership.

N9LIA would like N9SDM to ask *Smoke Signals* publish the 6-meter input/output frequencies. The output is 51.740 Megahertz, and input is 51.240 Megahertz.

Monies for the club jackets were connected from attending members. N9SDM will contact the remaining members about payment so they can be ordered ASAP.

At 8:38 p.m., N9NQQ motioned for adjournment, KB9DZG seconded, approved by the membership. □

will take care of the local paper for Field Day. Dave, KA9RNU, will contact Jim, W9KNZ, about TV media. Mike, N9NBN, volunteered to bring some of his wife's famous chili. A sheet was also passed around for anyone who would bring food to Saturday night supper at Field Day. Sherm, W9NGT, volunteered to supply the Weber grill to cook the brats. Mauri, W9MQD, suggested to bring hard hats to the Field Day site.

Mike, N9NBN, announced the upcoming programs for the club of which Paul, N9KIK, had organized. The programs will be "Disease Transmission at Disaster Sites" by the Red Cross for the July meeting, and "Amateur Radio via Satellite" by Jim, N9VGO, for the August meeting.

A motion was made by Sherm, W9NGT, to close the meeting, Marty, WD9BCV, seconded it, and the motion was carried.

The program was a video of last year's Field Day, and a presentation from Gary,

W9XT, on good operating practices for Field Day contesting.

### Saturday 10:00 a.m. breakfast schedule for July

July 2: Around the Lakes 2, Hartford  
July 9: Corfu, Richfield  
July 16: Slinger Inn, Slinger  
July 23: Fay's, West Bend  
July 30: Jimmy's, Jackson □

### WELCOME!

*This month, the Wisconsin Valley Radio Association (WVRA), Wausau, joins the regular participating clubs here in BSSS. Thanks to WVRA for coming aboard. We look forward to a long and productive working relationship!*  
- The BSSS staff

## Washington County Amateur Radio Club

David Parkinson, KA9RNU,  
Secretary/Treasurer  
708 Robin Street  
West Bend, WI 53095



### MEETING MINUTES

The June 9th meeting of the Washington County Amateur Radio Club was called to order at 7:30 p.m. by our president, Mike, N9NBN. The minutes and the treasurer's report were read by Dave, KA9RNU. A motion was made by Gary, W9XT, to approve the minutes and seconded by Tom, N9LZW. The minutes were then approved as read by the sustaining membership. A motion to approve the treasurer's report was made by Sherm, W9NGT, and seconded by Larry, WB9BVB.

We had 17 members present at the meeting.

#### OLD BUSINESS:

Bob, AA9EF, asked about obtaining addresses of ham operators in Washington

County. Dave, KA9RNU, reported he was handling it.

Larry, WB9BVB, reported on the Saturday morning breakfast schedule. (See below).

Bob, AA9EF, reported the purchase of the deep cycle battery for Field Day. He asked if anyone had an old battery so the club could get a refund. Mauri, W9MQD, volunteered to donate an old battery.

Larry, WB9BVB, reported on the club picnic which will be held at Sandy Knoll Park on August 14th and a rain date of August 21st. (No reserved sites will be made).

#### NEW BUSINESS

Mike, N9NBN, stated we needed one more HF rig and antenna for SSB for Field Day. Various members volunteered equipment for Field Day. Paul, W9SIZ,



## SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary  
N9001 Dairyland Rd., Cleveland, WI 53015

The June 14, 1994 meeting of the Sheboygan County Amateur Radio Club was called to order by Steve, KF9KZ. The club meets every 2nd Tuesday at the Red Cross Building, 2032 Erie Ave., Sheboygan, WI.

### ANNOUNCEMENTS

There will be no formal July meeting. The next meeting will be August 9.

Club memberships were due at June meeting. Members are asked to pay as promptly as possible to assure uninterrupted subscriptions of *Badger State Smoke Signals*.

The club regretfully announces the passing of Vic Hoffman, W9IDG. Vic was a very active member, and donor of the club's HF station. He will be missed by all.

### COMMITTEE REPORTS

The Technical Committee and Emergency Coordinator, Al, NF9R, had no new business to report.

The Education/VE Committee is planning a July VE testing session. If you are interested in attending this session, contact Tom, AA9BJ. Due to limited number of tests, there will be no walk ins.

Chris, N9VKC, is the new Net Manager. The 2M net meets every Monday evening at 7:00 on 147.06 MHz (+, 107.2 PL). If you are interested in being net control, contact Chris.

Penny, N9TCF, is our new Public Service Coordinator. If you are interested in helping with any club public service event, contact Penny.

### FUTURE EVENTS

July 4 - Sheboygan Independence Day

Parade.

July 21 - Super Week Bike Criterium.  
July 30 - Holland Fest in Cedar Grove.

August 27 - Woodlake Market Brat Fry to benefit the club!

September 17 - Plymouth Health Fair.

### PRESENTATIONS

Tom, AA9BJ, gave a short presentation on DX, discussing the sunspot cycle, and current operating conditions on the bands. Penny, N9TCF, discussed contesting, including the All Asian DX Contest.

### OLD BUSINESS

The club was reminded that the new membership rates are due now.

The July meeting will be held at Taylor Park, June 25, just before setting up for Field Day.

The June 18 Fox Hunt was moved up to 10:00 a.m. to avoid conflict with club members trying to work Art, K9XJ who will be operating as P40XJ from Aruba.

### NEW BUSINESS

A membership committee was created, and Clayton, N9WDJ, volunteered to head the committee. A newsletter of club activities will be sent out to amateurs in the county who are not club members.

Mike, KF9SJ, was presented the coveted **FLAT TUBE** award for his work in converting equipment donated by his employer into code practice oscillators.

The meeting ended with a discussion of Field Day preparations, and a screening of a video of last year's Field Day.

Submitted by: Mike Musiel, KF9SJ

## Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

### MEETING MINUTES JUNE 12, 1994

The meeting was started at 7:30 p.m. by President Gary, N9MGH. All officers and about 24 hams were present. Everyone introduced him/herself with first name and call sign.

The minutes by Arne, KA9ZPY, were approved, but with the following corrections: The proposed ham classes will take place at Gifford High School, not at Gilmore. The Ham Dinner for 1995 will be held at the restaurant at 8300 Washington Avenue, not at South Hills Country Club.

Treasurer Dave, AA9HL, gave his report.

### OLD BUSINESS

Cheryl, WS9P, chairman of the "Jacket and Cap" committee, presented the outcome of the committee's work on the jackets and caps. All members present got a ballot for the choices selected by the committee. The choices were for what type of jacket, type of cap, and how the logo should look like. The jackets, either a light with lining or a baseball type warmer jacket are in Navy blue with gold lettering on the back saying **RACINE MEGACYCLE CLUB**.

The cap will include your call sign. The cost for the light jacket is about \$25.00, and \$50.00 for the heavier type. The cost for the cap is about \$6.50. The final cost will be determined by the number ordered.

After collecting all ballots, Cheryl could report that the logo will be the type with the arched style lettering on the back. Thank you, Cheryl, for a job well done.

Larry, WA9JMO, again brought up the proposed program for the ham classes which are scheduled for a start the third Wednesday in September. Larry also passed around a list for hams to sign up as helpers in the various grade levels. Larry figures we will need about four hams for each level, or about 16 to 20 hams. The courses will all run simultaneously the same evening for some 8 to 10 weeks.

President Gary, N9MGH, gave a report on the old generator. After having gone over the generator by an expert, it was established that the carburetor was not up to par. For a small cost, it can be fixed and be used for many years. The only problem left seems to be that it is running on regular gasoline but that can be taken care of. Gary also asked for volunteers to help run the "thing" the 24 hours it will be used. A list was passed around, and I happily saw several signatures.

There were several offers from hams on borrowing PCs and antennas from them, if needed.

As a reminder, Field Day will take place June 25 and 26 at South Hills Country Club, and the Chairman is, as last year, Jim, KB9CCY.

President Gary, N9MGH, also reported on the inventory, taken by Bob, W0WLN, and Dan, KA9OIL. Gary asked all members of the club to let him know if there are more items members may have at home belonging to the club. If so, please let him know.

It was suggested that the purpose of the Field Day be explained to some of the newer members. Dan, KA9OIL, ran a shorter version about what happens at Field Day.

### NEW BUSINESS

Larry, WA9JMO, brought up a need for old pictures, etc., which he will use at the next year's Ham Dinner. He is asking everyone to look for such items and call him. Here is a chance for you to have

## HAM CALENDAR Courtesy Racine Megacycle Club

Jul 9	Hamfest at Oak Creek
Jul 11	<b>MEGACYCLE MEETING</b>
Jul 22	Fox Hunt
Jul 23	Hamfest at Eau Claire
Jul 24	Hamfest at Hawthorne
Jul 31	Hamfest at Sugar Grove
Jul 31	☆ Hamfest Racine!

Aug 7	Hamfest at Peotone
Aug 8	<b>MEGACYCLE MEETING</b>
Aug 14	or
Aug 21	Picnic QCWA
Aug 19	Fox Hunt
Aug 27	Hamfest at Sugarcamp
Aug 28	Hamfest at McHenry

Sep 3	Testing at Red Cross
Sep 11	Hamfest at Joliet
Sep 12	<b>MEGACYCLE MEETING</b>
Sep 16	Fox Hunt
Sep 17	and
Sep 18	Hamfest at Peoria
Sep 19	QCWA Meeting
Sep 24	and
Sep 25	Hamfest at Grayslake

Oct 1	Testing at Red Cross
Oct 10	<b>MEGACYCLE MEETING</b>
Oct 14	Fox Hunt
Oct 23	Hamfest at Waukesha

Nov 5	Testing at Red Cross
Nov 5	Hamfest at Waukesha
Nov 6	Hamfest at Kaukauna
Nov 11	Fox Hunt
Nov 14	<b>MEGACYCLE MEETING</b>
Nov 21	QCWA Meeting

Dec 3	Testing at Red Cross
Dec 9	Fox Hunt
Dec 12	<b>MEGACYCLE MEETING</b>
Dec 18	QCWA Christmas Party

### 1995

Jan 8	Hamfest at Waukesha
Feb 28	Hamfest at Eau Claire
Apr 2	Hamfest at Madison
May 13	Hamfest at Manitowoc

everyone see some old and amusing activity in the club. (The club could use an historian who would collect and organize articles, pictures, and clippings from BBS, etc.).

Dan, KA9OIL, gave a report on the Fox Hunts. The winners, four of them found the Fox in the same time, are: Gene, WB9ZKY with wife Bonnie; WB9-ZKX; Cheryl, WS9P; and David, WB9-USI. The Foxes this time were Dennis, WB9SVM, and Dave, N9DLZ. See calendar for the next Fox Hunt.

Paul, N9RGW, gave a report on a business meeting with program he attended at a "Friendly 91" repeater meeting in Milwaukee. Paul suggested we look into using the same program at RMC. How about it, Mr. Program Chairman?

The "Goodie Box" was given to Bill, W9OVZ, who probably could do without it, and beware the next winner. Bill could probably make it awfully heavy with "goodies." Let's show them, Bill! If I win, I will not admit it!

The meeting was adjourned at 8:20 p.m.

There was no program for the evening. Many hams met afterward at the restaurant for coffee and cake.

Sincerely submitted:  
Arne, KA9ZPY, Club Secretary

"When I'm on the information superhighway, I'll be spending most of my time in the rest areas."

- Annette Grossenbacher

## Riverland Amateur Radio Club



Judy Williams, N9LGV  
Secretary

Club mail address: P.O. Box 621  
Onalaska, WI 54650



### MEETING MINUTES JUNE 7, 1994

The June meeting of the Riverland Amateur Radio Club was called to order by president, Feroz, WU9N. There were 30 members present and Walt, AA9AW's, favorite Granddaughter, Lisa.

Secretary's Report: A motion to dispense with the reading of the minutes since they were published in *Smoke Signals* was made by Carl, KB9EQI, and second by Rick, KV9U. The motion carried.

Treasurer's Report: Mark, N9UNW, gave the report, there was \$2055.40 in checking, of this \$615.18 is for the 440 Repeater fund. There is \$2695.14 in savings.

### OLD BUSINESS AND COMMITTEE REPORTS

Field Day: Bill, KE9XQ, reported that things were shaping up pretty well for the two-site event. Nook, K9EGO, will tow the trailer to the South side Shopko parking lot site. This site will be a public information site, and operators will be operating to get some experience and have fun. The Jostad site will be the contest site. Club equipment will be use at this site. There was a reminder that it was expected that personal equipment loaned to either site would be used by a variety of operators. \$100 had been allocated for food at the two sites.

Club picnic: Will be held on Saturday, June 25th, at the Jostad Field Day site. Open to Hams, families, friends and

interested folks. Begins about 3:30 p.m. Bring meat to grill, beverage and a dish to pass. Condiments provided.

Antenna Trailer Committee: George, KE9PL, reported the repairs had been made. Greg, KA9FOZ, did the welding. A winch with a safety catch will be installed. Painting is needed. George recommended a procedure list be developed. He also suggested that lock be used on the tower. A training session will be part of the field day activities. Those wishing to take part in this training should be at the Jostad site by 9 a.m. on Saturday, June 25.

Trailer: Bob, N9LZK, has made some repairs and did the "Spring Cleaning" with the help of a few other club members. There are still some additional repairs needed including applying roof sealant.

Repeater - .97: Walt, AA9AW, gave a detailed written report which has been included with the secretary's report. The current location may not be coming down until late Summer. Walt recommended a thank you be sent to Dick, W9DMH, for the donation of cable.

440 Repeater: Dan, N9PZC, reported the committee is still doing fund raising. Caps are available and Mugs and "T" shirts can be ordered. There will be a raffle following the meeting. There is now enough money so the committee will begin to look for equipment. The first item will be duplexers.

Extend Meeting: A motion by Carl, KB9EQI, second by Bob, N9LZK, to do so was made. Motion passed.

Continued on page 13



## Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

### MEETING MINUTES JUNE 14, 1994

The meeting was called to order at 1930 local time by President Kevin Zehr (N9OHE) with 32 members and guests present.

Secretary Jim Fitzl (N9LIJ) read the minutes of the May meeting, which were approved as read.

Treasurer Sue Eide (KB9EUP) read the treasurer's report for the previous month.

### OLD BUSINESS

**Field Day:** Leroy Dick (N9RSU) mentioned that NWRC will hold its Field Day activities at the park at Boyceville. He said they made no mention of using the Eau Claire club's trailer. Eau Claire club members are cordially invited to participate with the NWRC for their Field Day activities.

**Hamfest:** Don Rassbach (WD9IJJ) asked for members to volunteer as ticket-takers at the door and passed around a sign-up sheet.

Overnight security for the hamfest will be provided by Jim Staats (WB9RBP) and Jim Fitzl (N9LIJ).

Fred Boetcher (WU9R) will run the kitchen. Any volunteers to help out should contact Fred.

Carol Ceraso (N9TUA) noted that donations for door prizes had been provided by St. Joseph's Hospital, and Don Alm (K9UXP) has received donations from *Nuts and Volts*.

K9UXP also said that he has flyers for members to distribute. Any members going to hamfests are encouraged to take some flyers to pass out.

N9TUA said that table reservations are about 1/2 full, which is ahead of last year at this time. She noted that letters and flyers had been sent to last year's exhibitors and to Wisconsin radio clubs.

The pros and cons of having the dividers up in the hall were discussed at some length. The main issue is providing power versus having a more open area. Consensus is that adequate power can be provided with the dividers down, so they will be.

Bill Jablonske (W9NNS) is handling the tickets. There was a question as to whether they were ready, as Bill was not in attendance tonight. Addendum to minutes: N9LIJ has checked this matter with Bill, and they are ready.

N9OHE has 160 tables available, and is working on more, especially for the testing area. Carl Searing (W9NW) mentioned that he will need access to the

testing building on Friday afternoon. Also, he noted that the new General Class examinations are effective July 1, 1994.

N9TUA has the truck for transporting tables arranged. She also suggested that refreshments be provided for set-up and take-down volunteers. WB9RBP will work on this.

A reminder to each family to bring donations for the kitchen to sell (bars, other baked goods, etc.). Please leave them uncut and try to use disposable containers.

Set-up for the hamfest will be Thursday afternoon beginning around 1 - 2 p.m., and take-down will be Saturday from 2 to 5 - 6 p.m.

### NEW BUSINESS

Mike White (N9UXC) announced that the next club fox hunt will be held on Saturday, June 18, 1994 at 1 p.m. Teams will start from the Pick and Save parking lot on Birch Street.

Burt Spangler (W9ZZI) reminded members of the balloon flight scheduled in southern Wisconsin on the day of the fox hunt. See last *Badger State Smoke Signals* for details. He also displayed a weather balloon radio packet which landed on his property recently, and told about its workings.

N9OHE mentioned that the American Cancer Society's relay for life on Friday and Saturday. They are looking for a couple of volunteers to relay information on VHF and HF from noon Friday to 6 p.m. Saturday. If interested, contact Julie Norgaard at Firststar Bank.

N9LIJ has been appointed Emergency Coordinator for Eau Claire County. An EC is still needed for Chippewa County.

N9OHE noted that a REACT organization is being formed in the area. Call Kevin for information.

K9UXP spoke briefly about abuse of the autopatch on the 146.31/.91 repeater, noting that calls last month were nearly triple previously monthly levels. This is due mainly to one individual, who will be approached about this.

Nolene Harlson (N9MNA) announced that July 4th fireworks spectators are requested to steer clear of the Luther Hospital parking lot this year. Construction in the area and possible interference with the helipad makes this a rather hazardous place from which to view.

Lunch committee for July 12, 1994 meeting: W9NW and N9LIJ.

Meeting adjourned at 8:29 local time.

Respectfully submitted:  
J. Brennan Fitzl, N9LIJ, Secretary

## Riverland Amateur Radio Club

Continued from page 12

**Sky Warn:** Kent, W9LZQ, was out of town for the last call up. Feroz, WU9N, reminded operators that when the Sky Warn Net was in operation, that was the priority, and other communications except for emergency should not be attempted.

**Membership:** Kent, W9LZQ, had nothing to report.

**PR.:** Dick, K0JYB, had nothing to report.

**V.E.:** Rick, KV9U, had nothing to report.

### NEW BUSINESS

**Sunday Night Net:** Rick, KV9U, made a motion to establish a board/club position of Net Manager, second by Mike, N9LXI. Rick had asked for volunteers to take over the net and suggested this as a way to help less experienced operators get some hands-on experience. The Net manager would coordinate a variety of net control operators. A motion to table the idea until next month was made by Walt, AA9AW, and second by George, KE9PL.

Motion passed.

The meeting was adjourned.

Rick, KV9U, presented the "Clever Idea of the Month," a two-headed alligator clip.

Van, WA9FIO, presented a program on DSP (Digital Signal Processing).

Respectfully Submitted by:  
Judy, N9LGV, Secretary



OUR WANT ADS GET RESULTS

**WANTED:** Older six-meter rig. CHEAP! Also want cheap TNC. Rick Plouffe, N9ROY, N656 Meadowpoint Road, Wisconsin Dells, WI 53965. (608) 254-8256.

### We're Late

This issue of BSSS was late getting to press, due to unavoidable circumstances, not the least of which was the editor being ill and having numerous (and somewhat painful) tests. We apologize for the inconvenience to our participating clubs and our other subscribers.

## Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO  
5400 Six Mile Road  
Racine, WI 53402



I would like to take this opportunity to welcome into our family, two new members, Jim, K9JT, and Joan Taylor, and John, KE9HX, and Janet Urban. It seems that Jim licensed as KN9ZYS/K9ZYS in 1959, and John, licensed as WN9-UOD/WB9QCZ in 1967, have twice removed Bob Burgermeister, WB9IJJ as the youngest, chronologically speaking, member of Chapter 162. At a recent Kenosha breakfast, I notice Bob wipe a tear or two after it was announced he was no longer the "kid" of the group. Look on the bright side, Bob, you are now the oldest of the young guys in the older Ham's club.

A shortness of breath resulted in a week of hospital testing for Art Vahovius, W9VSO, during the week of May. It appears that medication use to augment Art's Thyroid Gland Hormone Secretion aided in an overproduction causing erratic body messages. Hopefully when the Thyroid Gland Secretion reaches normal, the breathing sequence will be normal. Art, we are all pulling for a quick fix solution to get back into the main stream!

Olie Fox, K9AKG, has progressed in treatment and is able to return home with care assistance. It is my understanding at this writing, that Olie's family is trying to make the necessary arrangements for his trip home. We will be looking forward to some FB QSOs on 2 meters with you, Olie.

Our three day introductory / hands-on Amateur Radio event at Phantom Ranch in Mukwonago, WI was a wonderful, warm and enlightening experience. We had 168 fifth-grade students from Racine's Elementary School (the largest in Wisconsin). The students, broken down into 16 groups, spent 45 minutes with us learning the fine art of communications on 25 - 27 May. A world map, surrounded by QSL cards with strings attached from them to their place of origin, served as a visual introduction to Amateur Radio contacts. Next, the world of CW, with the aid of code oscillators, and a Packet Radio Station demonstrated modes other than voice used in communication with our neighbors around the world. A 2-meter station utilizing a local repeater showed local communications, and an HF station employing a 10, 15, & 20 meter trap di-pole antenna was our hope for worldwide contacts. Conditions were so poor that we were forced to the 40-meter band for a contact on several occasions. All the students were given ARRL's Archie Ham Radio Comic books

and How to get started in Amateur Radio hand outs. Those participating included Chuck Knotek, W9GKM; Al Algiers, W9HR; Larry McCalvy, WA9JMO; Spence Clope, W9LDH; Bill Komistra, W9OVZ; Herb Ladwig, W9PHJ; Bob Jensen, W0WLN and Steve Bellgraph, K9ZL. Fern Fisher, W9LCJ, worked as a communication partner with Spence, W9LDH on 2 meters, generating an ongoing entertaining interaction with all the students. Several other local Hams help to make our demonstration a big success. To all of you big, heart-filled Thank You.

Our 2nd annual Mosquito Awareness outing at the home of Ken, N9NBC, and Marbeth Knoff was very enjoyable. The Mosquitos were there, but most were thankfully late. Ken started the LP gas grill and a roaring fire for about 11 seconds. It fizzled and died, out of gas! Not to worry; Ken said, "I have another tank I filled 3 years ago". He was correct, he had another, however, someone must have stolen the fuel, for the tank was empty. An old charcoal grill was pulled from the back Forty and the burgers, brats and other meat items cooked and served. Our thanks to "Skokie Bill," W9ERG, and Jean Hawes for the soft drinks, the food everyone brought to pass and Ken and Marbeth for hosting our gang.

Mark your calendars for Sunday, July 31, 1994, when the Racine Megacycle Club will host its 2nd annual Hamfest at the South Hills Country Club, on the East Frontage Road of I-94, between Hwys. 20 and "K". Doors open at 8 a.m.; admission is \$4.00 at the door, \$3.00 advance, tables are \$8.00. For tickets and tables send SASE to RMC, P.O. Box 3, Racine, WI 53401-0003.

Our Chapter, in conjunction with the Racine Megacycle Club, will hold Amateur Radio Classes for the Codeless Tech, Novice and General Class licenses beginning on Wednesday, September 21, 1994, for 8-weeks. Class location is the Gifford Elementary School, 8332 Northwestern Ave. (Hwy 38) in Racine. Advance registration is requested and family participation is encouraged. Classes will begin at 7 p.m. for two hours. I am looking for instructors and assistants. For clarification and further details contact: Larry McCalvy, WA9JMO, 5400 Six Mile Road, Racine, WI 53402, (414) 639-7327 (home) or (414) 639-3320 (FAX).

73, Larry McCalvy, WA9JMO

## Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

The Northern Wisconsin Radio Club is on summer recess. We wish one and all a happy and safe summer!

The next meeting of the NWRC will

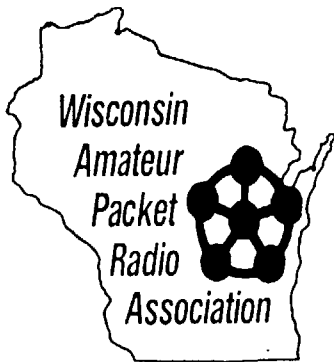
be on September 27.

73, Steve Hart, KA9OMC  
Secretary/Treasurer

## COMING SOON IN BSSS

- ✓ The June 18 Near Space Sciences Balloon-Carried Amateur Radio Flight: Slow Rise, Fast Descent, How the Package Performed: A story and photos by Don Evenson, K9JYX.
- ✓ How to Become a LOWFER. Not a couch potato, but how to "do it" on the 1750-meter VLF experimenters' band.
- ✓ Wisconsin State Assemblyman visits a Wisconsin club's Field Day site to learn about Amateur Radio and discuss possible legislation to make PRB-1 state law.
- ✓ Field Day photos from some of the clubs and groups around the state.
- ✓ Other features by our great volunteer writers and photographers.

**Don't miss a single issue! Use the form on page 5 and subscribe today!**



# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT  
921 8th Avenue • Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

## WAPR Meeting Minutes 12 JUN 1994

Meeting called to order at 10:40 am. Minutes from last meeting were not available. Therefore, they were forgone.

Two radios were returned to WAPR by WD9ESU. They were to be used for the Lodi to Richland Center link, but were said to be unsuitable.

W9LZQ (Kent) discussed the link between Lodi and Richland Center.

N9BQM (Joel) asked about the 6 meter radio, tnc, and antenna that was promised and has not happened. This matter was referred to the next meeting to be addressed by the new board.

WB9TYT discussed some of the forwarding to the north to Rhinelander through N9BKJ.

N9LLT (Ted) gave the treasury report.

WB9TYT moved treasury report be accepted as read. Seconded by, K9DHR (Ade). Motion carried.

W9LZQ moved that 4 crystals be purchased for the radios to be used in the Lodi to Richland Center Link. Seconded by WB9TYT (Dan). Motion Carried.

N9FHO (Harv) discusses his desire to see political commentary through the network and why we don't see much of this type of traffic. Past practice was discussed by WB9TYT and W9LZQ. WAPR policy that ALL traffic that meets F.C.C. requirements is allowed to pass and that traffic reviewed for forwarding was an individual BBS issue, not a WAPR issue, was stated by N9LLT.

N9CFN (Ron) asked what is the long range goals and function of WAPR. The section of WAPR by-laws relating to this was read and this issue was discussed at large by the group. Among the topics talked about was the perceived stereotyping of WAPR as a BBS forwarding network and how WAPR is actually involved in areas other than BBS forwarding. Public relations as it relates to WAPR was also discussed.

N9UDL (Tom) discussed putting packet information on internet.

KB9ALN (Randy) Invites WAPR to participate in an upcoming event in the Green Bay area. The event is in the planning stage and would be a packet introduction, information, and what's happening type of event. Randy was asked to contact WAPR when plans were firmed up.

## Election of Officers:

Chairman: W9LZQ nominated by AA9AW. Second by WB9TYT. Moved nominations close by K9EN. Second by N9BQM. Motion carried. W9LZQ elected.

Vice Chairman: N9BQM nominated by WB9TYT. Second by AA9AW. Moved nominations close by AA9AW. Second by W9IHW. Motion carried. N9BQM Elected.

Secretary: N9UDL nominated by WB9TYT. Second by N9CFN. Moved nominations close by K9EN. Second by WB9TYT. Motion carried. N9UDL elected.

Treasurer: N9LLT nominated by WB9TYT. Second by AA9AW. Moved nominations close by WB9TYT. Second by AA9AW. Motion carried. N9LLT elected.

## Directors-at-Large:

N9CFN nom. by N9UDL. Second by WB9TYT.

WB9TYT nom. by W9LZQ. Second by N9BQM.

WD9ESU nom. by W9LZQ. Second by WB9TYT.

Moved nominations close by AA9AW. Second by WB9TYT

asks to hold next meeting on Saturday Sept. 17th., meeting location to be announced. Date accepted.

N9LLT discusses dues increase proposal. AA9AW moves that dues be increased \$5. Dues

would increase from \$15 to \$20. Second by WB9TYT. Discussion followed. W9LZQ moves motion be tabled until next meeting. Second by WB9TYT. Motion carried.

K9EN moves to adjourn. Second by N9BQM. Motion carried. Meeting adjourned at 12:15 pm central time. 12 JUN 94

A Thank-You to N9PMR for assisting in recording the minutes.

Respectfully submitted,  
N9LLT (Treasurer)

## -----WAPR PROJECTIONS-----

Good turnout for the WAPR meeting at Stevens Point on Sunday, June 12. As your new chairperson for the 94-95 year, I want to thank those of you who had confidence enough to allow me the opportunity to preside at future meetings this year. It will not be an easy job following the excellent leadership of Father Bill, W9NNS over the past two years. Fr. Bill has sacrificed his time and resources to assist us in furthering data networking throughout Wisconsin, particularly in the northern and northeastern part of Wisconsin where more resources were sorely needed. In addition, we had the support of other very involved and tremendously helpful officers this past year.

Notice, if you will, the term I used above, "data networking". Some very fine folks at the Sunday packet meeting raised some excellent points about WAPR's perceived mission. WAPR has always been supportive of all aspects of packet radio in Wisconsin, but many may not have perceived it that way. It is my personal goal this year to try to make WAPR more visible to the hams in Wisconsin, along with its purpose of supporting efforts in digital communication throughout the state. I also would like to see an additional membership for WAPR of at least 25 percent increase with particular efforts in recruiting hams who are new to packet and other digital ham modes.

In order to accomplish the above though, WAPR will need your help. We have some very good participants in the WAPR Board of Directors in past years and this coming year. But we need everyone's participation and assistance in order to expand WAPR and to make it more meaningful to

all concerned. If you have suggestions to help in reaching this goal or other thoughts you would like to pass along, please be in contact with me. We need WAPR representation at upcoming events and volunteers to be those representatives. Let me know if you can help and at which meeting/event you can attend on behalf of WAPR. I intend to appoint a few committees and committee chairpersons to handle WAPR business, including working toward expanding membership. We need volunteers to be on those committees.

I want everyone to know that I am available for your input, concerns or questions regarding WAPR. You can find me at the AA9AW.#WWI.WI BBS; phone me at 608-783-8135; or contact me via Internet: KHELMAN@UWLAX.EDU

One other note: The next WAPR meeting will be held on September 17 some- where in Central Wisconsin. I would like also to have meetings in Madison, Green Bay and Milwaukee this year. If you can help out in planning, please let me know!

I am looking forward to serving the Wisconsin packet community this year and invite your much needed assistance. 73, Kent W9LZQ @ AA9AW.#WWI.WI

## ARRL DIGITAL CONF Coming Soon!

Do you find yourself often in search of the latest info about packet Networking? Or maybe something about TCP/IP? How about Pactor or G-TOR? If you have gotten the basics of packet down but want more in-depth info than you can find read on .....

The ARRL 13th annual Digital Communications Conference is going to be held almost in your backyard! The Conference will be held at the Thunderbird Conference Center in Bloomington, MN on August 19 through 21. This is the first Digital Conference ever held in the Upper-Midwest ... so this is your golden opportunity to take it in - and learn the latest about Digital Communications!

Friday and Sunday are planned as informal social times - a great time to get to know the "movers and shakers" in Amateur Digital Communications! Saturday is full of fun and educational events. Take a look at this tentative schedule!

## WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

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NAME: \_\_\_\_\_ CALL: \_\_\_\_\_ HOME PHONE: (\_\_\_\_) \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
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COMPLETE and return this form with your check or money order for \$15.00 made payable to W.A.P.R. (NOT payable to Ted Heilmann) to: Ted Heilmann, N9LLT, 921 - 8th. Avenue, Grafton, WI. 53024 [N9LLT @ WB9TYT.EN63AC.WI.USA.NOAM]



Friday - August 19  
Noon until 10 PM

ARRL "Future Modes" and  
"219-Mhz" Committee  
meetings.  
Conference check-in  
Hospitality room open.  
Informal demos

Saturday - August 20

6:30 AM - 11 PM

Hospitality room open.  
Informal demos.

7:30 AM - Noon

Conference check-in.

8:00 AM - 8:15 AM

Conference kick-off.

8:30 AM - 11:45 AM

Formal paper presentation

8:30 AM - 10 AM

Forum - DSP Developments  
Forum - Developments in  
TCP/IP

10:15 - 11:45 AM

Forum - ARRL Committee updates.  
Forum - Digital Data  
Transmission Methods.

Noon - 1 PM

Buffet luncheon (Included  
in admission fee)

1:15 PM - 4:45 PM

Formal paper presentation

1:15 PM - 4:45 PM

Forum - High-Speed Data  
Transfer Methods.  
Forum - HF Data trans-  
mission modes developments.

5:30 PM - 6:30 PM

Evening Buffet Diner  
(Optional).

7 PM - 10:00 PM

TAPR Special Interest Group  
BBS SYSOPS; Networking  
ADRS Presentation:  
HF DSP with a sound board.

Sunday - August 21

8:30 AM - Noon

Hospitality room open.  
Informal Demos.

11:00 - 11:30

Conference wrap-up/Brain-  
storming for 95 Conference.

Registration is in advance only - and the last day is AUGUST 12th. There won't be tickets for sale at the door - but registrations will be accepted at the TwinsLAN ARC table at Amateur Fair on August 16th or via mail. For info call Paul Ramey, WGOG, at (612) 432-1640 or write him at: ARRL Digital Communications Conference; C/O Paul Ramey, WGOG, 16266 Finland Ave. Rosemount, MN 55068.

This is also a time for the family to enjoy since many tourist activities, like the Mall of America, Camp Snoopy, The Minnesota Zoo, and Minnesota Twins Baseball are nearby. The Mall of America - with Camp Snoopy inside - is in easy walking distance from the conference site! Special room rates at the Conference site motel are available - as are special rates on Northwest Airlines. A list of RV/camper facilities nearby is also available. Call for details!

Make August 19 through 21st a HAM RADIO WEEKEND - Attend the 1994 ARRL Digital Communications Conference!

#### DIGITAL FREQ COORDINATION REQUESTS

One of the functions of WAPR in Wisconsin is to provide coordination for node frequencies and local area network frequencies in the state. We are fortunate to have Dan WB9TYT accept the position of Frequency Coordinator for the coming year. All requests for digital node and LAN frequencies should be directed to him. Dan will be happy to consult with you in your planning for new nodes or LANs. His experience and knowledge will be of great benefit to you in selection of a band and frequency for your activity.  
73 Kent W9LZQ, WAPR Chairman

#### THE TEST POINT

(continued from page 3)

SOUTH MILWAUKEE, WI - SMARC HAMFEST  
CEDARBURG, WI - ORC HAMFEST  
ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB  
DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on Aug, 20 and Nov, 19 in 1994.

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

## Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The June 16, 1994 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order by club president, Bob Sauvan, WT9Q.

The minutes of the last meeting, as published in the BSSS, were accepted. Jim Decker, WB9UQT gave the financial report.

OLD BUSINESS: Club meetings will continue to be held for the rest of the year at the Baraboo Civic Center in room 14. Dates and times remain the same as indicated at the beginning of the year. The December meeting will remain the same date as well. A decision should be made at the November meeting about the December meeting and Christmas party. Band conditions were bad over Sauk and Columbia counties for this year's QSO party. Bill Klinkner, N9KXX hopes to have a club banner by field day.

NEW BUSINESS: There will be a balloon launch this weekend. Steve N9UDO and Bill KA9QFJ plan on being on the chase team. Harold Halterstrum N9MMG, new club member and new ham suffered a stroke and also diagnosed as having cancer. Thanks to Bill, N9KXX for taking the minutes until I arrived.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Contact: Arthur A. Evans, KA9KLZ, 213 N Jefferson St., Cuba City, WI 53807-1558, (608) 744-2704

#### LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

The following information received from ARRL Headquarters VEC.

#### WISCONSIN

Marinette, 906-863-3477, Ed Engleman KG8CX  
Racine, 414-658-8390, William Firchow  
Sturgeon Bay, 414-743-3034, Carol Larsen, KA9HFA  
Tomahawk, 715-282-6490, Greg Garner

#### EASTERN IOWA

09/10/94, Clinton  
319-242-9486, Roger Gorzney  
08/20/94, Dubuque, 319-557-9149, Carl E Clark  
11/19/94, Dubuque, 319-557-9149, Carl E Clark

#### NORTHERN ILLINOIS

07/14/94, Antioch  
08/11/94, Antioch  
09/08/94, Antioch  
10/13/94, Antioch  
11/10/94, Antioch  
708-395-0999, Anthony Viverito  
07/23/94, Chicago  
08/27/94, Chicago  
09/24/94, Chicago  
10/22/94, Chicago  
11/26/94, Chicago  
312-233-0605, Harold Pritchard Jr  
09/14/94, Chicago  
10/12/94, Chicago  
11/09/94, Chicago  
312-465-0981, Michael Leibovitz  
10/29/94, Mt Carroll  
815-777-1002, Herbert Scarpelli  
07/09/94, Oak Forest  
08/13/94, Oak Forest  
09/10/94, Oak Forest  
10/08/94, Oak Forest  
11/12/94, Oak Forest  
708-448-0580, David Brasil, NF9N

Buck night was won by Donna Synder, N9UUY who was not present.

Meeting adjourned. Club members then made final plans for field day at Owen Park June 24th and 25th.

The next meeting will be held Tuesday July, 19, 1994 at 7:30 p.m. in room 14 at the Baraboo Civic Center. The program following the business meeting will be on VHF contesting.

Sincerely,

Raymond J. Matlosz, N9MLZ, Secretary

The following members were present:

Steve Schulze	N9UDO	Baraboo
Art Kleefisch	W9WSS	Baraboo
Jim Decker	WB9UQT	Baraboo
Harry Mayland	K9FFT	Baraboo
Bill Klinkner	N9KXX	Sauk City
Raymond Matlosz	N9MLZ	Reedsburg
Bob Sauvan	WT9Q	Sauk City
Steve Schwoegler	WB9RNL	Wisconsin Dells
Bill Hommel	KA9QFJ	Baraboo

#### UPPER MICHIGAN

09/10/94, Harvey  
906-249-3837, Richard Schwenke  
07/09/94, Houghton  
906-337-2542, George R Thurner

#### MINNESOTA

09/10/94, Bloomington  
612-888-6187, Jerry Jensen  
08/20/94, Cottage Grove  
09/17/94, Cottage Grove  
612-459-8678, David Harrell  
08/13/94, N Branch  
612-444-9814, Bradley Fern  
08/06/94, St Paul  
09/03/94, St Paul  
612-222-7253, John Bellows

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HAMFEST INFO:  
Dan Vanevenhoven, N9LVS  
2410 E. Newberry Ct.  
Appleton, WI 54915  
414-739-5101

EXAM INFO:  
Larry Siebers, KD9IA  
414-788-3823

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For more information, call:

Ron, WS9X: 414-793-4733 (Nights)  
Red, N9GHE: 414-684-9097

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16th Annual

**CWRA SWAPFEST**

Sunday, June 12, 1994 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA 715-344-2984  
3356 April Lana Stevens Point, WI 54481

**EAU CLAIRE**  
Amateur Radio Club  
**SWAPFEST**  
July 23, 1994

Chippewa Falls Fairgrounds  
Carol Ceraso Liz Searing  
(715) 723-9205 (715) 834-1303  
P.O. Box 1867 • Eau Claire, WI 54701

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Ozaukee Radio Club

8 a.m. to 1 p.m. • Circle B Recreation Center  
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Exams by Badger Examiners, c/o Gary Sharbuno,  
5119 W. Willow Rd., Brown Deer, WI 53223  
Swapfest sponsored by Ozaukee Radio Club  
W70 N1018 Hampton Court • Cedarburg, WI 53012

Kettle Moraine Radio Amateurs  
**SWAPFEST**

Sunday, October 23, 1994

Waukesha County Expo Center

Info: KMRA Swapfest P.O. Box 411  
Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

**AUCTION**

February 28, 1995 • 7:00 p.m.

American Legion Post 53 • 634 Water Street  
Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC  
Route 1 Box 54

715-665-2374  
Knapp, WI 54749

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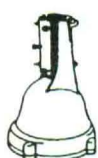
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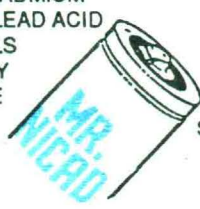
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